

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

C Number:	C55516C
Lock Date:	02/18/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	05/13/1994

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex [Congestion TGLS = 6-10]		Congestion	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Fatty Change	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6, 8-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland [Dilatation TGLS = 1-8]		Dilatation	Mild
* Pituitary Gland [Hyperplasia TGLS = 9-1]	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 696
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57944

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]	Germinal Epith	Degeneration	Moderate
[Degeneration TGLS = 3-7]			

PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1 DOSE: UNTREATD CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 675 HISTO: 91-57945
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8, 7-7, 10-3-1]		
	[Leukemia Mononuclear TGLS = 1-8, 10-3-1, 7-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8, 10-3-1, 7-7]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 4-21]		
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Fibrosis	Focal, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 675
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57945

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 619
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-10]		
* Adrenal Medulla		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-10]		
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
		Leukemia Mononuclear	
		Thrombosis	Moderate
	[Leukemia Mononuclear TGLS = 7-6, 8-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5, 5-7, 10-3-1, 2-8]		
	[Leukemia Mononuclear TGLS = 9-5, 5-7, 10-3-1, 2-8]		
	[Leukemia Mononuclear TGLS = 9-5, 5-7, 10-3-1, 2-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5, 5-7, 10-3-1, 2-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5, 5-7, 10-3-1, 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 619
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57946

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1 DOSE: UNTREATD CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 675 HISTO: 91-57947
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Congestion	Minimal Mild
[Congestion TGLS = 7-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 15-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy Fatty Change Fibrosis Hepatodiaphragmatic Nodule Hyperplasia Leukemia Mononuclear	Mild Mild Mild Focal, Mild Multiple, Mild Moderate
[Hepatodiaphragmatic Nodule TGLS = 10-21, 11-22]			
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-7, 13-3-1]			
[Leukemia Mononuclear TGLS = 8-7, 13-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-7, 13-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 675
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57947

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-7, 13-3-1]			
* Mammary Gland		Dilatation	Marked
[Dilatation TGLS = 2-8]			
Mesentery		Inflammation	Chronic, Mild
[Inflammation TGLS = 12-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 14-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-7, 3-7-2, 4-7, 4-7-2]			
* Seminal Vesicle		Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-7]			
* Spleen		Fibrosis	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6, 6-6]			
* Testes	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1 DOSE: UNTREATD CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 619 HISTO: 91-57948
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Lung		Carcinoma	Metastatic (Zymbal'S Gland), Multiple (Zymbal'S Gland)
[Carcinoma TGLS = 6-2-2]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-3-1]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 619
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57948

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma
Zymbal's Gland		Carcinoma
[Carcinoma TGLS = 5-22, 5-22-1]		

PRIMARY CAUSE OF DEATH	- Zymbal's Gland Carcinoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 1 DOSE: UNTREATD CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 608 HISTO: 90-55820
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Mild
	Centrilobular	Hemorrhage	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-6-1, 5-6, 6-6, 8-6-1]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3-1]			
* Pancreas		Atrophy	Focal, Mild
	Duct	Dilatation	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach		Edema	Moderate
* Stomach, Glandular		Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 608
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 90-55820

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1 DOSE: UNTREATD CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 91-57653
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Histiocytic, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Congestion	Mild
[Congestion TGLS = 7-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-22]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Salivary Glands		Cyst	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 737
	DOSE: UNTREATD CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57653

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-21, 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Bone		Hyperostosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 334

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-52169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
		Fibrosis	Focal, Mild
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Mild
		Necrosis	Focal, Mild
[Fibrosis TGLS = 3-22]			
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
[Inflammation TGLS = 3-22]			
[Necrosis TGLS = 3-22]			
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 4-23]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
Lymph Node	Pancreatic	Hemorrhage	Mild
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibrosis	Moderate
[Fibrosis TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-22]		
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Marked
		Inflammation	Chronic, Moderate
	[Hyperplasia TGLS = 1-8]		
	[Inflammation TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 737
	DOSE: UNTREATD CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57952

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Small, Ileum		Inflammation	Chronic, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
[Clear Cell Focus TGLS = 4-22]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-21]			
* Preputial Gland		Degeneration	Cystic, Minimal
* Spleen		Fibrosis	Focal, Minimal
* Stomach, Glandular	Mucosa	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 722

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Moderate
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 6-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3-1]			
* Mammary Gland		Dilatation	Minimal
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 722
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57955

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Necrosis	Focal, Mild
* Brain		Compression	Moderate
[Compression TGLS = 9-1-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
[Nephropathy TGLS = 7-6]		Nephropathy	Marked
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-8]			
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLS = 6-7-1]			
* Seminal Vesicle		Edema	Moderate
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57956

ORGAN AND ACCOUNTABLE SITE STATUS

[Edema TGLS = 5-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Urinary Bladder

Inflammation

Chronic, Mild

[Inflammation TGLS = 4-8]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 467

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-10, 15-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-10, 15-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 17-1, 17-1-1]			
[Leukemia Mononuclear TGLS = 17-1, 17-1-1]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6, 10-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 467

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54785

ORGAN AND ACCOUNTABLE SITE STATUS

Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
[Leukemia Mononuclear TGLS = 14,16-26,13-25,1-21,4-22,11-5,2-8,8-7,8-7-3,12-24]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-22, 2-8, 13-25, 12-24]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-22, 16-26, 13-25, 12-24]		
Mesentery	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-23]		
* Nose	Inflammation	Suppurative, Minimal
* Pancreas	Atrophy	Focal, Moderate
* Preputial Gland	Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8-1]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]		
* Stomach, Glandular	Erosion	Mild
	Pigmentation	Focal, Mild
* Testes	Adenoma	
[Adenoma TGLS = 5-7]		
* Thymus	Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Cyst	Mild
		Nephropathy	Mild
[Cyst TGLS = 3-21]			
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	Mild
* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Inguinal	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Carcinoma	
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
[Carcinoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Moderate
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 5-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57959

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Mesentery Fat Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 481

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3-1, 1-8, 6-21, 3-7-3]	
		[Leukemia Mononuclear TGLS = 7-3-1, 1-8, 6-21, 3-7-3]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3-1, 1-8, 6-21, 3-7-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3-1, 1-8, 6-21, 3-7-3]	
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 481

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54786

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]

* Stomach, Forestomach

Mucosa

Hyperplasia

Minimal

Inflammation

Chronic, Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 663

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10, 8-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10, 8-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 11-1-1]			
[Leukemia Mononuclear TGLS = 11-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1, 7-21, 4-8]			
[Leukemia Mononuclear TGLS = 10-3-1, 7-21, 4-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1, 7-21, 4-8]			
* Mammary Gland		Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 663

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57960

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 2-8]			
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
	Duct	Squamous Cell Papilloma	
[Degeneration TGLS = 3-8-1]			
* Skin		Hyperkeratosis	Focal, Mild
	Epidermis	Hyperplasia	Focal, Mild
[Hyperkeratosis TGLS = 12-22]			
[Hyperplasia TGLS = 12-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		[Leukemia Mononuclear TGLS = 6-6, 8-6, 6-6, 8-6]	
		[Leukemia Mononuclear TGLS = 6-6, 8-6, 6-6, 8-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3-1]	
		[Leukemia Mononuclear TGLS = 7-3-1]	
		[Leukemia Mononuclear TGLS = 7-3-1]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3-1]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57961

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-3-1]

* Preputial Gland

Degeneration

Cystic, Mild

* Spleen

Fibrosis

Focal, Moderate

Leukemia Mononuclear

[Fibrosis TGLS = 3-21, 4-22]

[Leukemia Mononuclear TGLS = 5-6]

* Stomach, Forestomach

Mucosa

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7, 9-7]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 629

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Lung	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 13-1]			
[Leukemia Mononuclear TGLS = 13-1]			
* Intestine Large, Cecum		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Ulcer	Moderate
[Inflammation TGLS = 9-22]			
[Ulcer TGLS = 9-22]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Infarct	Marked
		Leukemia Mononuclear	
		Nephropathy	Mild
[Infarct TGLS = 7-5]			
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 629

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57962

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatodiaphragmatic Nodule TGLS = 10-23]		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 5-6]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-5, 2-8, 8-21]			
[Leukemia Mononuclear TGLS = 11-5, 2-8, 8-21]			
[Leukemia Mononuclear TGLS = 11-5, 2-8, 8-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-5, 2-8, 8-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-5, 2-8, 8-21]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Skin	Subcut Tiss	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3]			
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2, 3-2-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7]		
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 726
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57963

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear
		Sarcoma
[Fibrosis TGLS = 1-6]		
* Stomach, Forestomach		Leukemia Mononuclear
* Testes	Bilateral, Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO: 91-57964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8-2, 7-22, 8-23]		
	[Leukemia Mononuclear TGLS = 9-8-2, 7-22, 8-23]		
	[Leukemia Mononuclear TGLS = 9-8-2, 7-22, 8-23]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8-2, 7-22, 8-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8-2, 7-22, 8-23]		
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO: 91-57964

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-21]			
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma	
[Adenoma TGLS = 1-7]		Degeneration	Marked
[Degeneration TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Focal Cellular Change	Minimal
* Adrenal Medulla		Angiectasis	Moderate
		Leukemia Mononuclear	
		[Angiectasis TGLS = 8-10]	
* Bone Marrow		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
		Note: HYPERPLASTIC ACINAR CELLS MINGLED WITH ADENOMA.	
* Kidney		Nephropathy	Mild
		[Nephropathy TGLS = 6-5]	
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-2]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
* Preputial Gland		Degeneration	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 737
	DOSE: UNTREATD CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57661

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Keratoacanthoma TGLS = 3-22, 4-23]		Keratoacanthoma	Multiple
* Spleen [Leukemia Mononuclear TGLS = 2-6, 2-21]		Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 10-4, 10-24]	Mucosa	Hyperplasia Inflammation Ulcer	Mild Chronic, Mild Mild
* Testes [Adenoma TGLS = 7-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Focal Cellular Change	Minimal
* Bone		Hyperostosis	Mild
Eye	Lids	Melanoma Nos	
[Melanoma Nos TGLS = 2-21]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mandibular		Edema	Mild
		Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
Tooth	Incisor	Dysplasia	Marked
[Dysplasia TGLS = 1-9, 1-9-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 2-21]			
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-5]			
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Atrophy	Focal, Mild
* Pancreas		Degeneration	Cystic, Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Adenoma	
* Testes	Bilateral, Interstit Cell		
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 6-10]		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Kidney		Leukemia Mononuclear	
[Nephropathy TGLS = 7-5]		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]		Necrosis	Focal, Minimal
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 30	TRT#: 1	SEX: Male	DAY ON TEST: 703
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57966

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-21]			
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 3-7]			
[Degeneration TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Focal Cellular Change	Minimal
* Preputial Gland		Degeneration	Cystic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 6-5-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 5-22]			
Lymph Node	Mediastinal	Hyperplasia	Mild
[Hyperplasia TGLS = 7-23]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 628

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Moderate
Eye		Cataract	Moderate
		Inflammation	Chronic, Moderate
		Synechia	Moderate
[Cataract TGLS = 1-22]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Biliar Tract	Cyst	Marked
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Lymphoid, Histiocytic, Focal, Mild
Note: CYST (TGL#6) INVOLVES EXTRA-HEPATIC BILE DUCT.			
[Cyst TGLS = 6-23]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-3-1]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Focal, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Carcinoma	
		Degeneration	Cystic, Mild
[Carcinoma TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 628

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57969

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-7, 6-22]	
		[Leukemia Mononuclear TGLS = 2-7, 6-22]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-7, 6-22]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-7, 6-22]	
* Mammary Gland		Dilatation	Mild
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
		[Adenoma TGLS = 8-1]	
		[Leukemia Mononuclear TGLS = 8-1]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57655

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Focal, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6, 3-21]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
Tissue NOS	Cranial	Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Cyst	Moderate
* Pituitary Gland			
[Cyst TGLS = 4-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-7]			
[Degeneration TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-22]			
* Brain		Compression	Moderate
[Compression TGLS = 8-1-1]			
* Heart		Schwannoma Nos	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-23]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57971

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change Necrosis	Minimal Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
	Bile Duct	Fatty Change	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 7-21]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 519
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 90-54846

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Moderate
* Lymph Node, Mandibular		Hyperplasia	Mild
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Mild
		Inflammation	Suppurative, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Moderate
[Fibrosis TGLS = 4-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy	Minimal Mild
* Liver		Basophilic Focus Fatty Change	Minimal Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	[Basophilic Focus TGLS = 6-6] [Leukemia Mononuclear TGLS = 5-6]		
* Mammary Gland		Dilatation Hyperplasia	Mild Mild
	[Hyperplasia TGLS = 1-8]		
* Pancreas	Acinar Cell	Adenoma	
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 2-8-1]		
* Prostate	Epithelium	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
	[Adenoma TGLS = 3-7] [Degeneration TGLS = 4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 1-7]			
[Degeneration TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		[Leukemia Mononuclear TGLS = 3-6, 4-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-3-1, 2-8]	
		[Leukemia Mononuclear TGLS = 9-3-1, 2-8]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-3-1, 2-8]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-3-1, 2-8]	
* Mammary Gland		Dilatation	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 659
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57976

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Marked
		[Leukemia Mononuclear TGLS = 5-6, 6-6]	
		[Necrosis TGLS = 8-21]	
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Testes	Interstit Cell	Adenoma	
		[Adenoma TGLS = 7-7]	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 675

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
[Cyst TGLS = 7-5]			
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lung			
[Leukemia Mononuclear TGLS = 12-2, 13-2]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-23, 8-5, 9-22, 1-8]			
[Leukemia Mononuclear TGLS = 10-23, 8-5, 9-22, 1-8]			
[Leukemia Mononuclear TGLS = 10-23, 8-5, 9-22, 1-8]			
[Leukemia Mononuclear TGLS = 10-23, 8-5, 9-22, 1-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-23, 8-5, 9-22, 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 675

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57977

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-5, 10-23, 9-22, 1-8]

Mesentery	Leukemia Mononuclear	
* Pancreas	Atrophy	Focal, Moderate
	Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 4-7]

* Parathyroid Gland	Hyperplasia	Mild
* Pituitary Gland	Leukemia Mononuclear	
* Preputial Gland	Degeneration	Cystic, Moderate
	Leukemia Mononuclear	
* Prostate	Inflammation	Suppurative, Mild
	Leukemia Mononuclear	
* Salivary Glands	Leukemia Mononuclear	
* Seminal Vesicle	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 5-21, 6-6]

* Stomach, Forestomach	Leukemia Mononuclear	
* Stomach, Glandular	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma

[Adenoma TGLS = 3-7]

* Thymus	Leukemia Mononuclear	
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[Leukemia Mononuclear TGLS = 11-3]

* Thyroid Gland	C Cell	Adenoma
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hyperostosis	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 1-21]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-57978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Congestion TGLS = 8-10]		Congestion	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
[Leukemia Mononuclear TGLS = 11-2, 12-2-1]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8, 7-7]			
[Leukemia Mononuclear TGLS = 4-8, 7-7]			
[Leukemia Mononuclear TGLS = 4-8, 7-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8, 7-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8, 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 631
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-57978

ORGAN AND ACCOUNTABLE SITE STATUS			
* Mammary Gland [Dilatation TGLS = 2-8]		Dilatation	Mild
Mesentery [Necrosis TGLS = 9-21]	Fat	Necrosis	Mild
* Pancreas		Atrophy Leukemia Mononuclear	Focal, Moderate
* Pituitary Gland [Hyperplasia TGLS = 13-1]	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland [Degeneration TGLS = 3-8-1]		Degeneration	Cystic, Marked
* Prostate		Inflammation	Suppurative, Minimal
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Inguinal	Hyperplasia	Mild
* Lymph Node, Mesenteric		Hyperplasia	Mild
* Preputial Gland		Adenoma	
		[Adenoma TGLS = 1-8-1]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex [Adenoma TGLS = 3-10]		Adenoma	
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Suppurative, Minimal
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Nose		Fungus	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-21]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-22]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-7]			
[Degeneration TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 2-6, 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Heart

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Accessory Spleen	Minimal
		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-21]			
Urethra	Bulboureth GI	Dilatation	Moderate
[Dilatation TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy	Minimal Mild
* Liver	Bile Duct	Basophilic Focus Hyperplasia Leukemia Mononuclear	Minimal Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Pancreas		Atrophy	Focal, Mild
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-8]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-21]		
* Thyroid Gland		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTRETD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Pancreas		Atrophy	Focal, Minimal
		Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
		Necrosis	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Developmental Malformation	Minimal
		Fibrosis	Focal, Minimal
[Developmental Malformation TGLS = 1-6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Preputial Gland	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Preputial Gland	Degeneration	Cystic, Mild
	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Preputial Gland	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Nose
* Prostate
* Spleen
* Thymus

* Adrenal Medulla
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Trachea

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Pituitary Gland
* Skin
* Testes

OBSERVATIONS

* Kidney
* Preputial Gland
* Thyroid Gland

Nephropathy
Degeneration
Ultimobranchial Cyst

Minimal
Cystic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Preputial Gland		Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Preputial Gland	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Mild
* Preputial Gland	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Mild
* Preputial Gland	Degeneration	Cystic, Minimal
* Thyroid Gland	Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Nose
* Preputial Gland
* Skin
* Testes
* Urinary Bladder

* Adrenal Medulla
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pancreas
* Prostate
* Spleen
* Thymus

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

OBSERVATIONS

* Kidney Nephropathy Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 89-50193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Adrenal Medulla
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mesenteric
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Mammary Gland
* Pituitary Gland
* Skin
* Testes
* Urinary Bladder

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Lung
* Nose
* Prostate
* Spleen
* Thymus

OBSERVATIONS

* Kidney
* Liver
* Preputial Gland

Nephropathy
Fatty Change
Degeneration

Minimal
Mild
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 0.25%

DISP: Natural Death

HISTO: 91-58439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Minimal Minimal Moderate
[Nephropathy TGLS = 6-5]			
* Liver	Centrilobular Centrilobular Bile Duct Hepatocyte	Atrophy Congestion Hyperplasia Hyperplasia Leukemia Mononuclear	Marked Moderate Moderate Multifocal, Mild
[Atrophy TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration Inflammation	Cystic, Moderate Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Mild
[Fibrosis TGLS = 5-21]			
[Leukemia Mononuclear TGLS = 4-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 71	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Natural Death	DAY ON TEST: 695 HISTO: 91-58439
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
[Adenoma TGLS = 2-7] [Degeneration TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Carcinoma	
		Degeneration	Cystic, Mild
[Carcinoma TGLS = 2-8]			
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 450

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Intestine Large, Colon [Leiomyoma TGLS = 5-22]		Leiomyoma	
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 6-23]		Basophilic Focus Inflammation	Marked Focal, Mild
* Lung Mesentery Note: VESSELS ON SLIDE 21 PROBABLY PAMPINIFORM PLEXUS. [Fibroma TGLS = 4-21]		Sarcoma Fibroma	Metastatic (Tissue Nos)
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Stomach, Forestomach	Mucosa	Erosion Hyperplasia Inflammation	Mild Mild Chronic, Mild
[Erosion TGLS = 7-4-1] [Hyperplasia TGLS = 7-4-1] [Inflammation TGLS = 7-4-1]			
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 450

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54498

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Dilatation

Moderate

[Dilatation TGLS = 2-8-1]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 6-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Moderate
[Hepatocellular Adenoma TGLS = 13-25, 11-24, 13-25]		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-23]			
[Hyperplasia TGLS = 10-23]			
[Leukemia Mononuclear TGLS = 12-6]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5]			
[Leukemia Mononuclear TGLS = 9-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57639

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Pharynx	Palate	Squamous Cell Papilloma	
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1, 3-8-1]			
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-22]			
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 4-7]			
[Degeneration TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Mild
* Brain		Compression	Marked
[Compression TGLS = 6-1-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Iliac	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-23]			
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 75	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 716 HISTO: 91-58441
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-21]			
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 3-7]			
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Mild
		Hematopoietic Cell Proliferation	Mild
[Fibrosis TGLS = 4-22]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
[Hyperplasia TGLS = 5-24]			
[Hyperplasia TGLS = 5-24]			
* Lung		Hemorrhage	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2-2]			
[Leukemia Mononuclear TGLS = 2-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57640

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7, 4-23]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-7]			
[Degeneration TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57641

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 15-5]			
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
	Bile Duct	Dilatation	Focal, Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hemorrhage	Moderate
	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Hemorrhage TGLS = 7-7]			
[Leukemia Mononuclear TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58442

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-24]			
[Leukemia Mononuclear TGLS = 13-25]			
[Leukemia Mononuclear TGLS = 14-3, 14-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-23]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-22]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes	Germinal Epith	Degeneration	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Degeneration TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 568

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Fatty Change	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric			
[Leukemia Mononuclear TGLS = 4-5]			
* Nose		Inflammation	Suppurative, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 568

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55372

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 696

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Minimal
		Hyperplasia	Mild
* Lymph Node, Mandibular			
[Hyperplasia TGLS = 1-8]			
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 6-23, 6-23-1]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone		Hyperostosis	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-22]			
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Focal, Mild
[Adenoma TGLS = 4-22]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Suppurative, Minimal
* Skin	Epidermis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 3-6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 91-58444
ORGAN AND ACCOUNTABLE SITE STATUS			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 15-1-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 9-5]			
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6, 11-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1]			
[Leukemia Mononuclear TGLS = 7-7-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 2-8]			
Mesentery		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Focal, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58445

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Leukemia Mononuclear TGLS = 14-1]		Leukemia Mononuclear	
* Preputial Gland		Degeneration Leukemia Mononuclear	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen [Fibrosis TGLS = 6-21] [Leukemia Mononuclear TGLS = 5-6]		Fibrosis Leukemia Mononuclear	Focal, Moderate
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7] [Degeneration TGLS = 4-7]	Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland [Carcinoma TGLS = 13-3]	C Cell C Cell	Adenoma Carcinoma	

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Brain		Compression	Marked
[Compression TGLS = 3-1-1]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 2-8]			
* Pancreas	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 543

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-21]			
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
[Fatty Change TGLS = 5-22]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Macrophage, Mild
[Hemorrhage TGLS = 6-24]			
[Hyperplasia TGLS = 3-23, 3-23-1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
[Ulcer TGLS = 7-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 512

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Kidney	Papilla	Degeneration Nephropathy Dilatation	Mild Moderate Moderate
* Mammary Gland			
[Dilatation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 2-7-2]			
* Stomach, Forestomach	Mucosa	Hyperplasia Inflammation Ulcer	Mild Chronic, Moderate Mild
[Hyperplasia TGLS = 4-4]			
[Inflammation TGLS = 4-4]			
* Stomach, Glandular		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-4]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 235

DOSE: 0.25%

DISP: Natural Death

HISTO: 90-51575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Minimal
	Inflammation	Focal, Minimal
	Congestion	Mild
* Lymph Node, Mandibular [Congestion TGLS = 1-8]		
* Pancreas	Autolysis	Marked
* Preputial Gland	Degeneration	Cystic, Mild
* Spleen	Autolysis	Moderate
* Thymus [Hemorrhage TGLS = 2-3]	Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Inflammation	Suppurative, Chronic, Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Mesentery			
[Leukemia Mononuclear TGLS = 2-21]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 451

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 1-9, 2-21]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Inflammation	Chronic, Focal, Moderate
[Inflammation TGLS = 3-22]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Papilla	Degeneration Nephropathy	Mild Minimal
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Minimal Mild Focal, Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy	Minimal Mild
* Liver	Centrilobular	Atrophy Basophilic Focus	Mild Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-22, 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57642

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver		Clear Cell Focus	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 2-21]		
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mandibular		Edema	Mild
		Hyperplasia	Mild
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 660

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-2]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 6-21]	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6, 3-6]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 5-7]	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 480

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Hepatocyte	Fatty Change	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-7, 2-8, 9-3-1]		
	[Leukemia Mononuclear TGLS = 6-7, 2-8, 9-3-1]		
	[Leukemia Mononuclear TGLS = 6-7, 2-8, 9-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-7, 2-8, 9-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-7, 2-8, 9-3-1]		
Mesentery		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 480

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54804

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 5-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 0.25%

DISP: Natural Death

HISTO: 91-58450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
Ear	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7-7-1]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Mild
Lymph Node	Mediastinal	Mesothelioma Malignant	Metastatic (Mesentery)
[Mesothelioma Malignant TGLS = 13-3-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-4, 8-23, 9-6]			
* Pancreas		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 10-4, 10-7]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8-1]			
* Prostate	Epithelium	Hyperplasia	Focal, Mild
		Inflammation	Suppurative, Minimal
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 11-24, 12-25]			
* Skin	Subcut Tiss	Fibroma	
	Pinna	Melanoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 95	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Natural Death	DAY ON TEST: 645 HISTO: 91-58450
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 4-22]			
[Melanoma Malignant TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	Metastatic (Mesentery)
* Stomach, Forestomach	Mucosa	Cyst	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
PRIMARY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 548

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-22]		
	[Leukemia Mononuclear TGLS = 5-22]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-22]		
* Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLS = 4-21]		
* Preputial Gland		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 548

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55374

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 2-6]

Inflammation

Chronic, Moderate

Leukemia Mononuclear

* Testes

[Adenoma TGLS = 6-7]

Bilateral, Interstit Cell

Adenoma

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 8-25]			
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-26]			
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Dilatation TGLS = 2-24]			
[Fibroadenoma TGLS = 6-24]			
Mesentery		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 97	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 725 HISTO: 91-58451
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ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Leukemia Mononuclear Necrosis	Moderate
[Necrosis TGLS = 4-23]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
[Hyperplasia TGLS = 3-22]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 7-5]			
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-22]			
* Testes	Germinal Epith	Degeneration	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 98

TRT#: 3
DOSE: 0.25%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 91-57644

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 4-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 11-24]		
	[Leukemia Mononuclear TGLS = 10-6]		
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 14-3-1]		
	[Leukemia Mononuclear TGLS = 2-8, 14-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 14-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 14-3-1]		
* Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 12-25]		
* Pancreas		Atrophy	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55830

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
	[Degeneration TGLS = 3-8-1]		
	[Hyperplasia TGLS = 3-8-1]		
* Prostate		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	Mild
	[Cyst Epithelial Inclusion TGLS = 4-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6, 9-23]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 6-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 13-3]		
Tissue NOS	Scrotal	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-22]		

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye		Atrophy	Marked
	Retina	Degeneration	Marked
		Fibrosis	Moderate
[Atrophy TGLS = 1-21, 2-21]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 6-2-1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-22]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57645

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 3-7-1]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 10-2-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-23, 8-5]		
	[Leukemia Mononuclear TGLS = 9-23, 8-5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-23, 8-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-23, 8-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55467

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Mesothelioma Malignant TGLS = 6-22]		Mesothelioma Malignant	
* Pancreas		Atrophy Leukemia Mononuclear	Focal, Mild
* Preputial Gland		Degeneration Leukemia Mononuclear	Cystic, Moderate
* Prostate		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma Leukemia Mononuclear	
* Thymus Tissue NOS [Mesothelioma Malignant TGLS = 4-21]	Scrotal	Leukemia Mononuclear Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 648

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|---------------|-------------------------|------------------|
| * Adrenal Cortex | | Focal Cellular Change | Mild |
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Bone | | Hyperostosis | Mild |
| [Hyperostosis TGLS = 12-22] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Adenoma | |
| [Adenoma TGLS = 14-23] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Centrilobular | Atrophy | Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-2] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-7] | | | |
| [Leukemia Mononuclear TGLS = 10-3, 10-3-1] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| Mesentery | | Leukemia Mononuclear | |
| * Preputial Gland | | Adenoma | |
| | | Degeneration | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 102	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 648 HISTO: 91-58452
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-21] [Degeneration TGLS = 2-8-1] * Prostate		Inflammation	Suppurative, Mild
* Spleen [Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Stomach, Forestomach	Mucosa	Hyperplasia Inflammation Ulcer	Mild Chronic, Mild Mild
[Ulcer TGLS = 15-24] * Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
[Adenoma TGLS = 4-7] [Degeneration TGLS = 5-7] * Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Oligodendroglioma Nos	
[Oligodendroglioma Nos TGLS = 4-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-21]			
* Lymph Node, Mandibular		Pigmentation	Moderate
[Pigmentation TGLS = 1-8]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Nos

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Marked
	[Nephropathy TGLS = 6-5]		
* Liver	Centrilobular	Atrophy	Minimal
		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
	[Degeneration TGLS = 1-8-1]		
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-21]		
	[Leukemia Mononuclear TGLS = 2-6, 2-21, 3-6, 3-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 7-7]		
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57646

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 467

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 4-8]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Sebaceous GI	Cyst	Moderate
[Cyst TGLS = 6-22]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 3-21]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Moderate
		Ulcer	Mild
[Hyperplasia TGLS = 5-4]			
[Pigmentation TGLS = 5-4]			
[Ulcer TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Skin Sebaceous GI Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Brain		Compression	Mild
[Compression TGLS = 3-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Hyperkeratosis	Focal, Minimal
	Epidermis	Hyperplasia	Focal, Minimal
[Hyperkeratosis TGLS = 5-21]			
[Hyperplasia TGLS = 5-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58453

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 12-24]			
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 8-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
[Leukemia Mononuclear TGLS = 2-22]			
[Leukemia Mononuclear TGLS = 14-25]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58454

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6, 7-6, 5-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 11-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	Urethra	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 3-22, 4-9, 4-9-2, 5-23]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Mild
[Pheochromocytoma Malignant TGLS = 2-22]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy Angiectasis Basophilic Focus Degeneration Eosinophilic Focus	Mild Moderate Minimal Minimal Cystic, Mild Moderate
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Mixed Cell Focus	Mild Mild Mild
[Eosinophilic Focus TGLS = 7-24]			
[Mixed Cell Focus TGLS = 6-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-25]			
* Preputial Gland		Degeneration	Cystic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57647

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7, 4-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
Coagulating Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Minimal
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-21]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Minimal
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8-1]		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 662

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 4-1-1]			
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Minimal
		Hemorrhage	Mild
* Lymph Node, Mandibular			
[Hemorrhage TGLS = 2-8]			
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Islets, Pancreatic		Adenoma	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-5]		
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 2-6]		
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLS = 5-1]		
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Fibrosis	Focal, Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 112	TRT#: 3	SEX: Male	DAY ON TEST: 736
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 91-57649

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 4-1-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Dilatation	Mild
* Pancreas	Acinar Cell	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-21]			
* Prostate		Inflammation	Suppurative, Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 620

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 11-1]			
[Leukemia Mononuclear TGLS = 11-1]			
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6, 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1]			
[Leukemia Mononuclear TGLS = 10-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 620

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58459

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 5-6]			
* Stomach, Forestomach		Edema	Moderate
		Erosion	Mild
	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
[Erosion TGLS = 13-22]			
* Stomach, Glandular		Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 512

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Bronchial	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]		
	[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 512

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54806

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]

[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]

[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]

[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]

[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]

[Leukemia Mononuclear TGLS = 12-26, 5-22, 8-23, 13-27,1-8,9-24,10-25,2-21]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 13-27, 10-25, 12-26, 5-22]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-23, 13-27, 10-25, 12-26]

Mesentery

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

* Preputial Gland

Degeneration

Cystic, Mild

Leukemia Mononuclear

* Prostate

Leukemia Mononuclear

* Salivary Glands

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6]

* Stomach, Forestomach

Mucosa

Hyperplasia

Mild

Inflammation

Chronic, Mild

Ulcer

Mild

[Hyperplasia TGLS = 14-28]

[Inflammation TGLS = 14-28]

[Ulcer TGLS = 14-28]

* Testes

Bilateral, Interstit Cell

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 3-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 11-3]

* Thyroid Gland

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 3-5]		
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 1-8-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6, 5-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 117

TRT#: 3
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 91-58460

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Mild
* Heart		Schwannoma Nos	
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-5]			
* Liver		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach		Erosion	Mild
	Mucosa	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
[Erosion TGLS = 5-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Preputial Gland
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OBSERVATIONS

* Islets, Pancreatic [Carcinoma TGLS = 2-5]		Carcinoma	
* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy	Minimal Mild
* Liver	Bile Duct	Hyperplasia Inflammation	Minimal Focal, Minimal
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Glandular		Erosion Inflammation	Minimal Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Penis		Sarcoma	
[Sarcoma TGLS = 3-22]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate	Epithelium	Hyperplasia	Focal, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hypercellularity	Mild
Ear			
Note: Hello			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Marked
	Bile Duct	Hepatocellular Adenoma	
	Hepatocyte	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 10-26]			
[Hepatocellular Adenoma TGLS = 8-25]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57650

ORGAN AND ACCOUNTABLE SITE STATUS

Pharynx	Acinar Cell Epithelium, Palate	Hyperplasia Hyperplasia	Focal, Moderate Focal, Moderate
[Hyperplasia TGLS = 9-9-1]			
* Pituitary Gland		Angiectasis	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-24]			
[Leukemia Mononuclear TGLS = 4-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	Ear
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 8-1]			
[Leukemia Mononuclear TGLS = 8-1]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5, 7-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5, 7-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5, 7-22]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 122	TRT#: 3 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 537 HISTO: 90-55377
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Inflammation	Focal, Minimal
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-21]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Focal, Minimal
* Stomach, Forestomach		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder

- * Adrenal Medulla
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Skin
- * Thymus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Pituitary Gland
- * Spleen
- * Thyroid Gland

- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Nose
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea

OBSERVATIONS

- * Kidney
- * Liver
- * Preputial Gland
- * Prostate
- * Testes

Bile Duct

Bilateral, Interstit Cell

- Nephropathy
- Hyperplasia
- Degeneration
- Inflammation
- Adenoma

- Minimal
- Minimal
- Cystic, Minimal
- Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-22]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-8, 2-21]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Inflammation	Focal, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-8, 2-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Pelvis	Dilatation Nephropathy	Moderate Mild
[Dilatation TGLS = 2-5-1]			
* Liver		Fatty Change Hepatodiaphragmatic Nodule Inflammation	Mild Multiple, Moderate Focal, Mild
[Hepatodiaphragmatic Nodule TGLS = 1-21, 3-22]			
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Minimal
		Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-2]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Thrombosis	Mild
	[Leukemia Mononuclear TGLS = 9-3-1, 8-5, 6-7, 2-8]		
	[Leukemia Mononuclear TGLS = 9-3-1, 8-5, 6-7, 2-8]		
	[Leukemia Mononuclear TGLS = 9-3-1, 8-5, 6-7, 2-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-3-1, 8-5, 6-7, 2-8]		
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58081

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Sarcoma TGLS = 11-22]	Subcut Tiss	Sarcoma	
* Spleen [Leukemia Mononuclear TGLS = 4-6] [Necrosis TGLS = 5-21]		Leukemia Mononuclear Necrosis	Focal, Mild
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-7-3]		
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-22, 11-3-1]		
	[Leukemia Mononuclear TGLS = 2-22, 11-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-22, 11-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-22, 11-3-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58082

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 10-25, 10-25-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-24]			
* Pituitary Gland		Leukemia Mononuclear	
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-23]			
* Skin		Hyperkeratosis	Focal, Mild
	Epidermis	Hyperplasia	Focal, Mild
[Hyperkeratosis TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 7-7]			
[Degeneration TGLS = 8-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-5]		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-22]		
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58083

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7, 4-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-58084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Minimal Minimal Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
* Preputial Gland		Degeneration Inflammation	Cystic, Moderate Chronic, Mild
[Degeneration TGLS = 1-8-1]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Minimal
[Fibrosis TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Congestion	Mild
		Hemorrhage	Focal, Minimal
		Leukemia Mononuclear	
[Congestion TGLS = 8-2, 8-2-1]			
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
[Leukemia Mononuclear TGLS = 6-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 135	TRT#: 5 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 641 HISTO: 91-58085
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 703

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLS = 9-23-1]		
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Thrombosis	Minimal
	[Leukemia Mononuclear TGLS = 10-6, 11-24]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-2]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-3, 12-25, 2-8]		
	[Leukemia Mononuclear TGLS = 14-3, 12-25, 2-8]		
	[Leukemia Mononuclear TGLS = 14-3, 12-25, 2-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-25, 14-3, 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 703

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58086

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 2-8, 14-3, 12-25]		Leukemia Mononuclear	
* Mammary Gland Mesentery		Leukemia Mononuclear Leukemia Mononuclear	
* Pancreas [Leukemia Mononuclear TGLS = 7-7]		Leukemia Mononuclear	
* Preputial Gland [Degeneration TGLS = 1-8-1]		Degeneration	Cystic, Moderate
* Prostate		Inflammation Leukemia Mononuclear	Suppurative, Minimal
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 6-22] [Leukemia Mononuclear TGLS = 5-6]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Stomach, Forestomach Mucosa [Leukemia Mononuclear TGLS = 16-27] [Ulcer TGLS = 15-26]		Hyperplasia Inflammation Leukemia Mononuclear Ulcer	Moderate Chronic, Moderate Moderate
* Stomach, Glandular [Leukemia Mononuclear TGLS = 16-27]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus Urethra [Dilatation TGLS = 4-21]	Bulboureth GI	Leukemia Mononuclear Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 0.50%

DISP: Natural Death

HISTO: 91-58087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 4-22]			
* Lung		Congestion	Moderate
[Congestion TGLS = 6-2]			
* Lymph Node, Mandibular		Congestion	Moderate
[Congestion TGLS = 2-8]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hypercellularity	Moderate
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		[Leukemia Mononuclear TGLS = 10-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 11-3, 11-3-1, 4-8, 9-5]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 11-3, 11-3-1, 4-8, 9-5]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 11-3, 11-3-1, 4-8, 9-5]	
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
		[Fibroadenoma TGLS = 2-21, 3-22]	
		[Hyperplasia TGLS = 1-8]	
* Nose		Fungus	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 138	TRT#: 5	SEX: Male	DAY ON TEST: 736
	DOSE: 0.50%	DISP: Terminal Sacrifice	HISTO: 91-57634

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Hyperplasia Inflammation	Focal, Moderate Suppurative, Moderate
* Pancreas	Mucosa	Metaplasia Atrophy	Squamous, Focal, Mild Focal, Minimal
* Pituitary Gland	Acinar Cell Pars Distalis	Hyperplasia Adenoma	Focal, Minimal
[Adenoma TGLS = 12-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8-1]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
[Fibrosis TGLS = 8-23]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
[Adenoma TGLS = 6-7]			
[Degeneration TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 5-24]			
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-22, 4-23]			
[Leukemia Mononuclear TGLS = 2-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57635

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3-1]			
[Leukemia Mononuclear TGLS = 6-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3-1]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Degeneration	Cystic, Minimal
* Seminal Vesicle		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 140	TRT#: 5 DOSE: 0.50%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 696 HISTO: 91-58088
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Spleen [Fibrosis TGLS = 3-6] [Leukemia Mononuclear TGLS = 2-6]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-58089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Mild Mild Mild
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Minimal Minimal Focal, Minimal
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Urinary Bladder	Transit Epithe	Papilloma	
[Papilloma TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6, 3-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8, 9-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8, 9-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8, 9-3-1]		
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
	[Angiectasis TGLS = 11-1]		
* Preputial Gland		Degeneration	Cystic, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58090

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6, 5-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 8-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Follicular Cel

Adenoma

[Adenoma TGLS = 10-3]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7-1]			
* Intestine Large, Colon		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 15-24]		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 16-25]			
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Infarct	Moderate
[Infarct TGLS = 13-23]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
[Alveolar/Bronchiolar Adenoma TGLS = 18-2-1]			
[Hyperplasia TGLS = 18-2-1]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58091

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 17-3-1, 8-7, 2-8, 14-5]		
	[Leukemia Mononuclear TGLS = 17-3-1, 8-7, 2-8, 14-5]		
	[Leukemia Mononuclear TGLS = 17-3-1, 8-7, 2-8, 14-5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 17-3-1, 8-7, 2-8, 14-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 17-3-1, 8-7, 2-8, 14-5]		
* Mammary Gland		Dilatation	Mild
Mesentery		Mesothelioma Malignant	
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 10-22]		
	[Leukemia Mononuclear TGLS = 9-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 19-3]		
Tissue NOS	Scrotal	Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-21]		

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Congestion	Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[Congestion TGLS = 8-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Congestion	Mild
		Hemorrhage	Focal, Minimal
[Congestion TGLS = 9-2]			
[Hemorrhage TGLS = 9-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57636

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-21]			
* Pancreas	Acinar Cell	Adenoma	
	Acinar Cell	Hyperplasia	Focal, Mild
[Adenoma TGLS = 11-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 1-8-1]			
[Degeneration TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-22, 13-25]			
[Leukemia Mononuclear TGLS = 4-6, 4-22, 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: PANCREATIC LYMPH NODE IS ON SLIDE #23.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7-1]			
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1]			
* Mammary Gland		Dilatation	Mild
		Hyperplasia	Mild
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-21, 7-7]			
* Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58092

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Focal, Mild
Pharynx	Palate	Squamous Cell Papilloma	
* Preputial Gland		Degeneration	Cystic, Moderate
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 10-6-1]			
[Leukemia Mononuclear TGLS = 8-6, 9-6]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-7, 4-7]			
[Degeneration TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
Tissue NOS	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 9-24]			
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6, 11-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 12-3-1, 2-8]			
[Leukemia Mononuclear TGLS = 6-7, 12-3-1, 2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 12-3-1, 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 12-3-1, 2-8]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58093

ORGAN AND ACCOUNTABLE SITE STATUS

Pharynx	Acinar Cell Palate	Hyperplasia Squamous Cell Papilloma	Focal, Minimal
[Squamous Cell Papilloma TGLS = 14-25]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-22]			
* Skin	Subcut Tiss	Fibroma Keratoacanthoma	Multiple Multiple
[Fibroma TGLS = 16-27, 17-28]			
[Keratoacanthoma TGLS = 1-21, 15-26]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
[Fibrosis TGLS = 8-23]			
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 13-3]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-58094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-2-1]	Alveolar/Bronchiolar Adenoma	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
	[Dilatation TGLS = 1-8]		
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-21]		
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 147

TRT#: 5
DOSE: 0.50%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 91-58094

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-22]
* Testes
[Adenoma TGLS = 6-7]

Bilateral, Interstit Cell

Leukemia Mononuclear

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Mucosa	Hyperplasia	Focal, Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 4-22]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6, 2-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 148

TRT#: 5
DOSE: 0.50%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 91-57637

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 620

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Astrocytoma Nos	
		Hemorrhage	Moderate
		Leukemia Mononuclear	
		[Astrocytoma Nos TGLS = 5-1]	
		[Hemorrhage TGLS = 5-1]	
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Adenoma	
		[Adenoma TGLS = 1-21]	
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
		[Fibrosis TGLS = 3-6-1]	
		[Leukemia Mononuclear TGLS = 2-6]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 620

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58095

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Mucosa

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6-7]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Granuloma Sperm	Mild
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Moderate Minimal Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Pancreas		Atrophy	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 2-8-1]			
* Skin	Prepuce	Inflammation Keratoacanthoma	Chronic, Mild
[Inflammation TGLS = 5-45]			
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 4-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skin Prepuce Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 694

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Moderate
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mandibular		Edema	Mild
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Carcinoma	
	Subcut Tiss	Fibrosis	Moderate
	Subcut Tiss	Inflammation	Chronic, Focal, Moderate
		Keratoacanthoma	
[Basal Cell Carcinoma TGLS = 1-21]			
[Fibrosis TGLS = 3-23]			
[Inflammation TGLS = 7-25]			
[Keratoacanthoma TGLS = 2-22]			
* Spleen		Fibrosis	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151

TRT#: 5
DOSE: 0.50%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 694
HISTO: 91-58097

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 6-24]		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-27]			
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 9-26]			

PRIMARY CAUSE OF DEATH - Zymbal's Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-6-1,6-6,7-6,8-6-1,10-6,10-6-1]	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Mucosa	Hyperkeratosis	Focal, Mild
		Inflammation	Suppurative, Mild
	Mucosa	Metaplasia	Squamous, Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
		[Fibrosis TGLS = 9-22]	
		[Leukemia Mononuclear TGLS = 3-6]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55827

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thymus

Zymbal's Gland

[Carcinoma TGLS = 1-21]

Leukemia Mononuclear

Carcinoma

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Angiectasis	Mild
	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 7-7, 11-5, 12-3-1]		
	[Leukemia Mononuclear TGLS = 2-8, 7-7, 11-5, 12-3-1]		
	[Leukemia Mononuclear TGLS = 2-8, 7-7, 11-5, 12-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 7-7, 11-5, 12-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 7-7, 11-5, 12-3-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58098

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Dilatation	Mild
Mesentery		Leukemia Mononuclear	
* Nose	Mucosa	Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
		Keratoacanthoma	
[Fibroma TGLS = 1-21, 3-22]			
[Keratoacanthoma TGLS = 13-23]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6, 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Dilatation	Mild
	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 576

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
Eye		Cataract	Mild
	Cornea	Inflammation	Chronic, Mild
		Synechia	Mild
[Cataract TGLS = 1-21]			
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
		Dilatation	Mild
* Mammary Gland			
[Dilatation TGLS = 4-8-2]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8-1]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Leukemia Mononuclear	
	Epithelium, Papilla	Degeneration	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 12-5]			
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-5, 5-23, 4-8, 16-3-1, 8-7]			
[Leukemia Mononuclear TGLS = 14-5, 5-23, 4-8, 16-3-1, 8-7]			
[Leukemia Mononuclear TGLS = 14-5, 5-23, 4-8, 16-3-1, 8-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-23, 4-8, 14-5, 16-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 689

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58099

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 14-5, 16-3-1, 4-8, 8-7]

Mesentery

Leukemia Mononuclear

Fat

Necrosis

Moderate

[Necrosis TGLS = 15-25]

* Nose

Mucosa

Angiectasis

Focal, Mild

Inflammation

Suppurative, Mild

Degeneration

Cystic, Moderate

* Preputial Gland

[Degeneration TGLS = 3-8-1]

* Skin

Keratoacanthoma

Multiple

[Keratoacanthoma TGLS = 1-21, 2-22]

* Spleen

Developmental Malformation

Mild

Leukemia Mononuclear

[Developmental Malformation TGLS = 10-24]

[Leukemia Mononuclear TGLS = 9-6]

* Testes

Interstit Cell

Adenoma

Germinal Epith

Degeneration

Moderate

[Adenoma TGLS = 6-7]

[Degeneration TGLS = 7-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Epididymis |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|--|------------------|
| * Adrenal Cortex | | Accessory Adrenal Cortical Nodule | Mild |
| | | Focal Cellular Change | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | Centrilobular | Atrophy | Mild |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | Hepatocyte | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| | | [Hyperplasia TGLS = 8-22] | |
| | | [Hyperplasia TGLS = 8-22] | |
| | | [Leukemia Mononuclear TGLS = 6-6, 7-6] | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 9-3-1] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 9-3-1] | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 9-3-1] | |
| * Mammary Gland | | Dilatation | Mild |
| * Pancreas | | Atrophy | Focal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58100

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Degeneration

Cystic, Moderate

* Spleen

Fibrosis

Focal, Mild

Leukemia Mononuclear

[Fibrosis TGLS = 4-21]

[Leukemia Mononuclear TGLS = 3-6, 5-6]

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Degeneration

Marked

[Adenoma TGLS = 1-7]

[Degeneration TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 662

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 14-29]			
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-25]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
		Inflammation	Chronic, Focal, Mild
* Lung			
[Inflammation TGLS = 10-2]			
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 13-28]			
* Lymph Node, Mesenteric		Edema	Mild
[Edema TGLS = 7-5]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-23]			
* Pituitary Gland		Angiectasis	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Carcinoma	Metastatic (Thyroid Gland)
	Subcut Tiss	Fibroma	
		Hemorrhage	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 157	TRT#: 5	SEX: Male	DAY ON TEST: 662
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 91-58101

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 11-26]		Keratoacanthoma	
[Fibroma TGLS = 2-21]			
[Hemorrhage TGLS = 12-27]			
[Keratoacanthoma TGLS = 3-22]			
* Spleen		Developmental Malformation	Minimal
		Leukemia Mononuclear	
[Developmental Malformation TGLS = 6-24]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
[Hyperplasia TGLS = 15-30]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 8-3]			
PRIMARY CAUSE OF DEATH	- Thyroid Gland C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Mammary Gland		Dilatation	Mild
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Fibrosis	Focal, Mild
	[Fibrosis TGLS = 4-22]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 158	TRT#: 5	SEX: Male	DAY ON TEST: 697
	DOSE: 0.50%	DISP: Moribund Sacrifice	HISTO: 91-58102

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-7]		
* Thyroid Gland	Follicular Cel	Adenoma
[Adenoma TGLS = 7-2]		

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 9-22]			
[Hyperplasia TGLS = 9-22]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58103

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-21, 10-23, 3-8, 6-7-3]

[Leukemia Mononuclear TGLS = 2-21, 10-23, 3-8, 6-7-3]

[Leukemia Mononuclear TGLS = 2-21, 10-23, 3-8, 6-7-3]

[Leukemia Mononuclear TGLS = 2-21, 10-23, 3-8, 6-7-3]

[Leukemia Mononuclear TGLS = 2-21, 10-23, 3-8, 6-7-3]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-21, 10-23, 3-8, 6-7-3]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-21, 6-7-3, 10-23, 3-8]

* Nose

Inflammation

Suppurative, Mild

* Pancreas

Leukemia Mononuclear

* Preputial Gland

Degeneration

Cystic, Moderate

* Prostate

Inflammation

Suppurative, Mild

* Seminal Vesicle

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Stomach, Forestomach

Edema

Moderate

Mucosa

Hyperplasia

Mild

Inflammation

Chronic, Mild

Ulcer

Mild

[Hyperplasia TGLS = 12-25]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thymus

Leukemia Mononuclear

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 11-24]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Hyperplasia	Mild
[Atrophy TGLS = 12-24]			
[Hyperplasia TGLS = 11-10]			
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7-7-1]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
[Hepatodiaphragmatic Nodule TGLS = 13-25]			
* Lymph Node, Mandibular		Hyperplasia	Marked
[Hyperplasia TGLS = 3-8]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 9-22]			
* Pancreas			
Note: PANCREAS IS ON SLIDE #4.			
* Preputial Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58104

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle [Mesothelioma Malignant TGLS = 10-23]		Mesothelioma Malignant	
* Skin [Inflammation TGLS = 14-26]		Inflammation	Chronic, Focal, Mild
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland Tissue NOS [Mesothelioma Malignant TGLS = 8-21]	C Cell Scrotal	Hyperplasia Mesothelioma Malignant	Minimal
Tooth Note: PLACE OF ORIGIN OF TUMOR IS EVIDENT ON SLIDE 9-1. [Squamous Cell Carcinoma TGLS = 15-9-1,15-43,15-43-1,15-43-2]	Gingiva	Squamous Cell Carcinoma	

PRIMARY CAUSE OF DEATH - Tooth Gingiva Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-6, 12-6]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 7-7-3, 13-3-1]		
	[Leukemia Mononuclear TGLS = 2-8, 13-3-1, 7-7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-7-3, 2-8, 13-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-7-3, 2-8, 13-3-1]		
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58105

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 3-21, 4-22]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 9-23]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Brain		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
	Duct	Dilatation	Mild
	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 736

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57638

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 2-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-10]			
* Bone Marrow		Leukemia Mononuclear	
Eye		Atrophy	Marked
		Cataract	Moderate
	Retina	Degeneration	Marked
[Atrophy TGLS = 1-21]			
* Intestine Large, Colon		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-26]			
* Kidney	Papilla	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6, 12-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-24, 17-27, 15-3-1, 13-25, 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 684

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58106

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-24, 17-27, 15-3-1, 13-25, 4-8]			
[Leukemia Mononuclear TGLS = 9-24, 17-27, 15-3-1, 13-25, 4-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-24, 17-27, 15-3-1, 13-25]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-24, 17-27, 15-3-1, 13-25]			
* Mammary Gland		Adenoma Dilatation	Mild
[Adenoma TGLS = 3-22]			
[Dilatation TGLS = 2-8]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 18-28]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Mild
[Fibrosis TGLS = 8-23]			
[Leukemia Mononuclear TGLS = 6-6, 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Minimal
[Hemorrhage TGLS = 9-10]			
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
[Leukemia Mononuclear TGLS = 12-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 656

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58107

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-22]

[Leukemia Mononuclear TGLS = 1-21]

[Leukemia Mononuclear TGLS = 13-26]

[Leukemia Mononuclear TGLS = 14-27]

[Leukemia Mononuclear TGLS = 11-3-1]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Nose

Fungus

Mild

Inflammation

Suppurative, Moderate

* Pancreas

Atrophy

Focal, Minimal

* Preputial Gland

Degeneration

Cystic, Moderate

* Spleen

Fibrosis

Focal, Mild

Leukemia Mononuclear

[Fibrosis TGLS = 7-6, 7-23, 8-24]

[Leukemia Mononuclear TGLS = 6-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Intestine Large, Colon		Parasite Metazoan	Minimal
		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 6-24]			
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Renal Tubule	Adenoma	
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 7-3-1]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-5]			
Mesentery		Inflammation	Chronic, Mild
	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-23]			
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Carcinoma	
		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58108

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-22]

* Prostate

Inflammation

Suppurative, Minimal

* Skin

Basal Cell Carcinoma

[Basal Cell Carcinoma TGLS = 1-21]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Intestine Large, Colon Polyp Adenomatous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
	[Nephropathy TGLS = 11-26]		
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6, 4-23]		
* Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-28]		
	[Leukemia Mononuclear TGLS = 10-7-3]		
	[Leukemia Mononuclear TGLS = 13-3, 13-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57656

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinar Cell	Adenoma Atrophy	Focal, Mild
[Adenoma TGLS = 12-27]			
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 15-9-2]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 7-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 5-24]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Mild
[Fibrosis TGLS = 6-25]			
[Leukemia Mononuclear TGLS = 3-6-1, 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 592

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Inflammation	Focal, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 3-2-1]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
* Pancreas		Atrophy	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-21, 2-43]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 0.50%

DISP: Natural Death

HISTO: 91-58109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla [Hyperplasia TGLS = 9-10]		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart [Thrombosis TGLS = 11-5]		Thrombosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy Degeneration Fatty Change	Moderate Cystic, Mild Moderate
	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
* Lung [Hyperplasia TGLS = 10-2]		Hyperplasia Leukemia Mononuclear	Histiocytic, Diffuse, Moderate
Lymph Node [Leukemia Mononuclear TGLS = 12-3-1] [Leukemia Mononuclear TGLS = 8-7]	Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland [Dilatation TGLS = 3-8]		Dilatation	Mild
* Pancreas		Atrophy	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 168	TRT#: 5 DOSE: 0.50%	SEX: Male DISP: Natural Death	DAY ON TEST: 654 HISTO: 91-58109
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Leukemia Mononuclear Degeneration Hyperplasia Inflammation	Cystic, Moderate Moderate Suppurative, Mild
* Prostate			
* Skin	Subcut Tiss	Fibroma Squamous Cell Papilloma	
	[Fibroma TGLS = 1-21]		
	[Squamous Cell Papilloma TGLS = 2-22]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Testes	Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
	[Adenoma TGLS = 6-7]		
	[Degeneration TGLS = 5-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-25]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 3-23]			
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Mild
[Adenoma TGLS = 4-24]			
* Preputial Gland		Degeneration	Cystic, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Schwannoma Nos	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-21]	
Mesentery		Mesothelioma Malignant	
* Pancreas	Acinar Cell	Atrophy	Focal, Minimal
		Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
		[Fibrosis TGLS = 4-22]	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
		[Adenoma TGLS = 3-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 170

TRT#: 5
DOSE: 0.50%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 91-57658

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

[Degeneration TGLS = 2-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 536

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Intestine Small, Ileum [Leukemia Mononuclear TGLS = 8-23]		Leukemia Mononuclear	
* Islets, Pancreatic [Carcinoma TGLS = 3-21]		Carcinoma	
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Leukemia Mononuclear Nephropathy	Minimal Minimal Minimal
* Liver [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-22]		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 7-4, 10-4-1]	Mucosa	Hyperplasia Inflammation Ulcer	Moderate Chronic, Moderate Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 536

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55367

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-7]		
Tongue		Squamous Cell Papilloma
[Squamous Cell Papilloma TGLS = 9-24]		

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 10-27]	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-25]	
		[Leukemia Mononuclear TGLS = 4-7]	
		[Leukemia Mononuclear TGLS = 7-24]	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58110

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-23]		Leukemia Mononuclear	
* Pancreas		Atrophy Leukemia Mononuclear	Focal, Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Keratoacanthoma Leukemia Mononuclear	
	Subcut Tiss		
	[Keratoacanthoma TGLS = 1-21]		
	[Leukemia Mononuclear TGLS = 2-22]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 11-28]		
* Urinary Bladder		Leukemia Mononuclear	
Zymbal's Gland		Carcinoma	
Note: Heavy infiltrate of leukemic cells in Zymbal's gland and adjacent tissues.			
	[Carcinoma TGLS = 9-26]		

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
[Eosinophilic Focus TGLS = 7-23]			
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 3-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 1-21, 2-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 536

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Papilla	Degeneration Nephropathy	Mild Minimal
* Liver	Bile Duct	Eosinophilic Focus Hyperplasia Infiltration Cellular	Mild Mild Mixed Cell, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Skin [Fibroma TGLS = 1-21]	Subcut Tiss	Fibroma	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 8-1]			
[Leukemia Mononuclear TGLS = 8-1]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 608

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55828

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-1]

* Preputial Gland

Degeneration

Cystic, Moderate

* Prostate

Inflammation

Suppurative, Moderate

Leukemia Mononuclear

* Seminal Vesicle

Hyperplasia

Minimal

* Spleen

Fibrosis

Focal, Mild

Leukemia Mononuclear

Necrosis

Focal, Mild

[Fibrosis TGLS = 7-21]

[Leukemia Mononuclear TGLS = 3-6]

[Necrosis TGLS = 7-21]

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3-1]			
* Pancreas		Atrophy	Focal, Minimal
	Duct	Dilatation	Mild
	Acinar Cell	Hyperplasia	Focal, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58112

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 605

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 7-5-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1, 5-7]			
[Leukemia Mononuclear TGLS = 8-3-1, 5-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1, 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1, 5-7]			
* Preputial Gland		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 605

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55829

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 1-21]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
		Hyperkeratosis	Focal, Moderate
	Epidermis	Hyperplasia	Focal, Moderate
[Fibroma TGLS = 2-22]			
[Hyperkeratosis TGLS = 7-25]			
[Hyperplasia TGLS = 7-25]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57659

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-23]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 4-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Minimal
[Compression TGLS = 21-1-1]			
* Epididymis		Mesothelioma Malignant	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 10-6]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6, 8-24, 12-6]			
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-2, 17-2-1]			
[Leukemia Mononuclear TGLS = 19-28]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-26]			
[Leukemia Mononuclear TGLS = 18-3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 737

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57660

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 20-29]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-5]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Leukemia Mononuclear	
[Dilatation TGLS = 4-8]			
[Fibroadenoma TGLS = 3-23]			
[Leukemia Mononuclear TGLS = 3-23]			
Mesentery		Leukemia Mononuclear	
		Mesothelioma Malignant	
		Inflammation	Suppurative, Mild
* Nose			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7]			
* Parathyroid Gland		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 22-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Hyperkeratosis	Focal, Mild
		Keratoacanthoma	
[Hyperkeratosis TGLS = 1-21]			
[Keratoacanthoma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-25]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 179

TRT#: 5
DOSE: 0.50%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 91-57660

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7]	
* Thymus	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 15-27]	
* Thyroid Gland	Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 16-3]	
Tongue	Squamous Cell Papilloma
[Squamous Cell Papilloma TGLS = 23-30]	
* Urinary Bladder	Leukemia Mononuclear

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 451

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-54562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 8-23]			
Mesentery		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-21]			
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7-3, 6-7, 7-7-3]			
* Thyroid Gland		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH - Mesentery Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 564

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-23, 6-22, 11-25, 1-8, 12-3-1, 10-24]			
[Leukemia Mononuclear TGLS = 9-23, 6-22, 11-25, 1-8, 12-3-1, 10-24]			
[Leukemia Mononuclear TGLS = 9-23, 6-22, 11-25, 1-8, 12-3-1, 10-24]			
[Leukemia Mononuclear TGLS = 9-23, 6-22, 11-25, 1-8, 12-3-1, 10-24]			
[Leukemia Mononuclear TGLS = 9-23, 6-22, 11-25, 1-8, 12-3-1, 10-24]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-23, 6-22, 10-24, 11-25]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-23, 6-22, 11-25, 1-8]			
* Mammary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 564

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55369

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-6, 5-21]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
[Ulcer TGLS = 13-4, 13-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Inflammation	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 2-21]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Mild
Mesentery		Accessory Spleen	Minimal
[Accessory Spleen TGLS = 2-21]			
* Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Degeneration	Moderate
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
Mesentery		Mesothelioma Malignant	
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Inflammation	Chronic, Minimal
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	Minimal
		Inflammation	Focal, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 3-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye [Melanoma Nos TGLS = 1-21]	Lids	Melanoma Nos	
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Pancreas		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Testes [Adenoma TGLS = 2-22]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
[Fatty Change TGLS = 2-21]			
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|---------------------|----------------------|--|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Compression | Mild |
| [Compression TGLS = 9-1, 9-1-1] | | | |
| * Kidney | Papilla | Degeneration | Moderate |
| | Epithelium, Papilla | Hyperplasia | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Angiectasis | Mild |
| | Centrilobular | Atrophy | Mild |
| | | Degeneration | Cystic, Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| * Lung | | Carcinoma | Metastatic (Thyroid Gland), Multiple (Thyroid Gland) |
| [Carcinoma TGLS = 7-2] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-3-2] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-3-2] | | | |
| * Pancreas | | Atrophy | Focal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58003

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Dilatation	Moderate
* Spleen [Fibrosis TGLS = 12-23] [Leukemia Mononuclear TGLS = 2-6]		Fibrosis Leukemia Mononuclear	Focal, Moderate
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 5-3, 5-3-1, 6-3, 6-3-1]	Bilateral, C Cell	Carcinoma	
Tongue [Squamous Cell Papilloma TGLS = 4-21]		Squamous Cell Papilloma	
Urethra [Dilatation TGLS = 11-22]	Bulboureth GI	Dilatation	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 393

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-52901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pancreas
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Inflammation	Chronic, Focal, Moderate
		Mineralization	Focal, Moderate
* Kidney	Papilla	Degeneration	Marked
		Inflammation	Suppurative, Chronic, Marked
	[Inflammation TGLS = 3-5]		
* Liver	Centrilobular	Fatty Change	Moderate
		Necrosis	Mild
		Necrosis	Focal, Mild
	[Necrosis TGLS = 4-22]		
	[Necrosis TGLS = 4-22]		
* Preputial Gland		Degeneration	Cystic, Marked
	[Degeneration TGLS = 2-8]		
* Prostate		Inflammation	Suppurative, Marked
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-21]		
* Thymus		Congestion	Moderate

PRIMARY CAUSE OF DEATH - Kidney Papilla Degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 711

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-10, 11-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-10, 11-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Atrophy	Focal, Moderate
	Epithelium, Papilla	Degeneration	Marked
	Pelvis, Transit Epithe	Hyperplasia	Mild
		Hyperplasia	Moderate
[Atrophy TGLS = 12-5]		Leukemia Mononuclear	
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
[Leukemia Mononuclear TGLS = 13-6, 14-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7, 3-22, 16-3-1, 15-5]			
[Leukemia Mononuclear TGLS = 10-7, 3-22, 16-3-1, 15-5]			
[Leukemia Mononuclear TGLS = 10-7, 3-22, 16-3-1, 15-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 711

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58004

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 10-7, 3-22, 16-3-1, 15-5]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 10-7, 3-22, 16-3-1, 15-5]		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 4-23]		Fibroadenoma Leukemia Mononuclear	
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild
* Preputial Gland [Adenoma TGLS = 2-8-1]		Adenoma Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Skin [Basal Cell Carcinoma TGLS = 1-21] [Keratoacanthoma TGLS = 5-24]		Basal Cell Carcinoma Keratoacanthoma	
* Spleen [Fibrosis TGLS = 9-25] [Leukemia Mononuclear TGLS = 8-6]		Fibrosis Leukemia Mononuclear	Focal, Moderate
* Testes [Adenoma TGLS = 6-7] [Degeneration TGLS = 7-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Dilatation	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 495

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-54795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 7-23]			
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 10-3-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-22, 8-24]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 9-25]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 11-26]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Tissue NOS	Scrotal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-21]			
* Urinary Bladder	Serosa	Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 495

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-54795

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 568

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Epididymis	* Mammary Gland
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OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney	Epithelium, Papilla	Hyperplasia	Moderate
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
		Basophilic Focus	Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Mild
	[Basophilic Focus TGLS = 8-23]		
	[Necrosis TGLS = 8-23]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-21, 5-22, 6-6]		
* Pancreas		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-4]		
* Preputial Gland		Degeneration	Cystic, Moderate
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 11-24]		
* Spleen		Fibrosis	Focal, Mild
		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 568
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 90-55348

ORGAN AND ACCOUNTABLE SITE STATUS

		Mesothelioma Malignant
[Mesothelioma Malignant TGLS = 6-6]		
* Testes	Interstit Cell	Adenoma
[Adenoma TGLS = 3-7]		
* Urinary Bladder	Transit Epithe	Papilloma
Note: TUMOR/MUCOSAL ATTACHMENT CUT AWAY AT MICROTOMY.		

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Focal Cellular Change	Minimal
[Angiectasis TGLS = 8-10]			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Moderate
	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 9-5]			
* Liver		Angiectasis	Moderate
	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 11-23]			
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-2]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58005

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-5, 13-24, 14-25, 16-3-1, 5-7, 3-8]			
[Leukemia Mononuclear TGLS = 12-5, 13-24, 14-25, 16-3-1, 5-7, 3-8]			
[Leukemia Mononuclear TGLS = 12-5, 13-24, 14-25, 16-3-1, 5-7, 3-8]			
[Leukemia Mononuclear TGLS = 12-5, 13-24, 14-25, 16-3-1, 5-7, 3-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-5, 13-24, 14-25, 16-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-5, 13-24, 14-25, 16-3-1]			
* Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Leukemia Mononuclear	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-22]			
[Leukemia Mononuclear TGLS = 6-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
[Hyperplasia TGLS = 18-4-1]			
* Stomach, Glandular		Erosion	Mild
		Inflammation	Chronic, Mild
[Erosion TGLS = 19-4-2]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	Follicle	Dilatation	Moderate
	Follicular Cel	Hyperplasia	Moderate
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 17-26]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58005

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 658

DOSE: 1.00%

DISP: Natural Death

HISTO: 91-58006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pancreas	* Stomach, Glandular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
	[Leukemia Mononuclear TGLS = 4-6, 5-6, 6-22]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Angiectasis	Mild
		Fibroadenoma	
		Hyperplasia	Mild
	[Angiectasis TGLS = 11-23]		
	[Fibroadenoma TGLS = 1-21]		
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 197	TRT#: 7	SEX: Male	DAY ON TEST: 658
	DOSE: 1.00%	DISP: Natural Death	HISTO: 91-58006

ORGAN AND ACCOUNTABLE SITE STATUS

	Germinal Epith	Degeneration	Mild
[Adenoma TGLS = 3-7]			
[Degeneration TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Cortex	* Adrenal Medulla
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OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 8-2-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
	Subcut Tiss	Sarcoma	Multiple
	[Fibroma TGLS = 4-24]		
	[Keratoacanthoma TGLS = 2-22]		
	[Sarcoma TGLS = 1-21, 3-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 682
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 91-58007

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 5-7] [Degeneration TGLS = 6-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Focal Cellular Change	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Adenoma	
	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
[Adenoma TGLS = 9-26]			
* Liver	Centrilobular	Atrophy	Mild
		Cyst	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Cyst TGLS = 5-24]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-23]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 199	TRT#: 7	SEX: Male	DAY ON TEST: 690
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 91-58008

ORGAN AND ACCOUNTABLE SITE STATUS

[Basal Cell Adenoma TGLS = 2-22] [Fibroma TGLS = 1-21]			
* Spleen		Developmental Malformation Fibrosis Leukemia Mononuclear	Moderate Focal, Mild
[Developmental Malformation TGLS = 7-25] [Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 8-3]			
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Small, Jejunum [Hyperplasia TGLS = 4-23]	Mucosa	Hyperplasia	Marked
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy Basophilic Focus Fatty Change	Mild Moderate Minimal Mild Minimal
* Liver	Bile Duct	Hyperplasia Infiltration Cellular Dilatation	Minimal Minimal Mixed Cell, Mild Mild
* Mammary Gland		Degeneration	Cystic, Moderate
* Preputial Gland		Hyperplasia	Mild
* Seminal Vesicle		Hemorrhage	Focal, Moderate
Skeletal Muscle		Inflammation	Chronic, Moderate
[Hemorrhage TGLS = 5-24]		Necrosis	Focal, Moderate
[Inflammation TGLS = 5-24]			
[Necrosis TGLS = 5-24]			
* Skin		Inflammation Ulcer	Chronic, Focal, Moderate Moderate
[Inflammation TGLS = 1-21, 2-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54563

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 2-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 670

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-7-1]			
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 12-27]			
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 13-3-1]			
* Lymph Node, Mesenteric		Hyperplasia	Moderate
[Hyperplasia TGLS = 11-5]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7-24, 10-26]			
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
		Hyperkeratosis	Focal, Mild
	Epidermis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 201	TRT#: 7	SEX: Male	DAY ON TEST: 670
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 91-58009

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-21, 2-22]			
[Hyperkeratosis TGLS = 14-28]			
[Hyperplasia TGLS = 14-28]			
* Spleen		Fibrosis	Focal, Mild
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 9-25]			
[Hematopoietic Cell Proliferation TGLS = 8-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS	Scrotal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-23]			

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Cyst	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
[Cyst TGLS = 13-5-1]			
* Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-25]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 9-7]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
	Subcut Tiss	Inflammation	Chronic, Focal, Mild
		Inflammation	Chronic, Focal, Mild
		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202	TRT#: 7	SEX: Male	DAY ON TEST: 662
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 91-58010

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 2-22, 6-26]		Squamous Cell Papilloma	
[Inflammation TGLS = 3-23, 12-28]			
[Inflammation TGLS = 3-23, 12-28]			
[Keratoacanthoma TGLS = 1-21]			
[Squamous Cell Papilloma TGLS = 4-24]			
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 11-27]			
[Leukemia Mononuclear TGLS = 10-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 516

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Papilla Epithelium, Papilla Papilla	Degeneration Hyperplasia Mineralization Nephropathy Fatty Change Hematopoietic Cell Proliferation	Minimal Moderate Focal, Minimal Minimal Minimal Mild
* Liver		Carcinoma	Metastatic (Zymbal'S Gland)
* Lung		Hyperplasia	Mild
* Parathyroid Gland		Degeneration	Cystic, Mild
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Chronic, Marked
* Salivary Glands			
[Inflammation TGLS = 3-22]			
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 541

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Bone		Hyperostosis	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Congestion	Focal, Mild
		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
[Congestion TGLS = 7-6]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 8-1]			
* Preputial Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
[Fibroma TGLS = 3-22]			
[Keratoacanthoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 204	TRT#: 7	SEX: Male	DAY ON TEST: 541
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 90-55349

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-23]			
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 697

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-26]			
* Kidney	Renal Tubule	Adenoma	
		Atrophy	Focal, Moderate
	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Minimal
[Atrophy TGLS = 8-5-1]			
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
		Leukemia Mononuclear	
* Lung		Congestion	Minimal
	Alveolar Epith	Hyperplasia	Mild
[Congestion TGLS = 11-2-2]			
[Hyperplasia TGLS = 10-2-1, 12-2-3]			
* Lymph Node, Mandibular		Edema	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-23]			
Mesentery		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 697

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58011

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 13-27]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Skin	Subcut Tiss	Hemangiosarcoma	
		Keratoacanthoma	
[Hemangiosarcoma TGLS = 2-22]			
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-25]			
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
Tissue NOS	Scrotal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-24]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 523

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Inflammation	Chronic, Mild
	Fat	Necrosis	Mild
	[Inflammation TGLS = 3-22]		
	[Necrosis TGLS = 3-22]		
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Fibrosis	Focal, Mild
	[Fibrosis TGLS = 5-23]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 523

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54913

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hypercellularity	Mild
* Epididymis		Mesothelioma Malignant	
Note: NO RECOGNIZABLE EPIDIDYMAL TISSUE IN LESION #5. [Mesothelioma Malignant TGLS = 5-7-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 11-3-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 9-24]			
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Minimal
		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-7]			
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-21, 10-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 207	TRT#: 7	SEX: Male	DAY ON TEST: 619
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 91-58012

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibroma	
		Hematopoietic Cell Proliferation	Mild
[Fibroma TGLS = 7-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	Follicle	Dilatation	Mild
	Follicular Cel	Hyperplasia	Mild
Tissue NOS	Scrotal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-22]			

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 509

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-1-1]		
	[Leukemia Mononuclear TGLS = 5-1-1]		
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-21, 4-3-1]		
	[Leukemia Mononuclear TGLS = 3-21, 4-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 509

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54796

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-21, 4-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-21, 4-3-1]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Minimal
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-24]			
* Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6, 6-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
Tongue	Epithelium	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 7-23]			
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 381

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-52843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hyperostosis	Minimal
* Bone Marrow		Hypercellularity	Moderate
		Metaplasia	Osseous, Mild
		Myelofibrosis	Mild
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Moderate
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
		[Hepatodiaphragmatic Nodule TGLS = 2-22]	
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 1-21]	
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Ultimobranchial Cyst	Mild
Tongue		Squamous Cell Papilloma	
		[Squamous Cell Papilloma TGLS = 3-23]	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 654

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Metaplasia	Osseous, Moderate
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 12-5]			
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 13-6, 14-26]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 19-2]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

DOSE: 1.00%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 654

HISTO: 91-58013

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
	[Leukemia Mononuclear TGLS = 18-3-1,15-27,20-30,8-7,4-23,3-8,16-28,17-29]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 15-27, 18-3-1, 8-7, 20-30]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 18-3-1, 20-30, 15-27, 8-7]		
Mesentery		Mesothelioma Malignant	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Sebaceous Gl	Adenoma	
		Keratoacanthoma	
	[Adenoma TGLS = 2-22]		
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Fibrosis	Focal, Mild
	[Leukemia Mononuclear TGLS = 9-6, 10-25]	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 210

TRT#: 7
DOSE: 1.00%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 654
HISTO: 91-58013

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 576

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thyroid Gland	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hypercellularity	Moderate
* Heart		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 12-5]		
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Thrombosis	Mild
	[Leukemia Mononuclear TGLS = 13-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-26, 14-27]		
	[Leukemia Mononuclear TGLS = 7-26, 14-27]		
	[Leukemia Mononuclear TGLS = 7-26, 14-27]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-26, 14-27]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 576

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55350

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-26, 14-27]		Leukemia Mononuclear	
* Mammary Gland [Dilatation TGLS = 3-8] [Fibroadenoma TGLS = 4-22]		Dilatation Fibroadenoma	Mild
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Skin [Fibroma TGLS = 5-23] [Squamous Cell Papilloma TGLS = 2-21]	Subcut Tiss	Fibroma Squamous Cell Papilloma	
* Spleen [Leukemia Mononuclear TGLS = 8-6, 9-24, 10-25]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Stomach, Glandular		Erosion	Minimal
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Trachea	Glands	Dilatation	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Mild
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 11-26]			
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6]			
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 22-32, 18-29, 21-31]			
[Leukemia Mononuclear TGLS = 22-32, 18-29, 21-31]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-3-1, 12-27, 4-8]			
[Leukemia Mononuclear TGLS = 14-3-1, 12-27, 4-8]			
[Leukemia Mononuclear TGLS = 14-3-1, 12-27, 4-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-3-1, 12-27, 4-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58014

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 14-3-1, 12-27, 4-8]

* Nose

Fungus

Minimal

Inflammation

Suppurative, Mild

* Pancreas

Atrophy

Focal, Mild

* Pituitary Gland

Leukemia Mononuclear

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 17-1]

* Preputial Gland

Degeneration

Cystic, Mild

* Prostate

Inflammation

Suppurative, Mild

* Seminal Vesicle

Leukemia Mononuclear

Leukemia Mononuclear

* Skin

Inflammation

Chronic, Focal, Mild

Subcut Tiss

Leukemia Mononuclear

[Inflammation TGLS = 2-22]

[Leukemia Mononuclear TGLS = 1-21]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-6, 8-23, 9-24, 10-25]

* Stomach, Forestomach

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 20-30]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 15-3]

* Thyroid Gland

Follicular Cel

Adenoma

Tongue

Leukemia Mononuclear

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 16-28]

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Heart
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Esophagus		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 15-25]		
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Large, Colon		Hemangioma	
	[Hemangioma TGLS = 14-24]	Thrombosis	Moderate
	[Thrombosis TGLS = 14-24]		
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Moderate
	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
	[Leukemia Mononuclear TGLS = 11-5, 12-5]		
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Carcinoma TGLS = 19-2-1]		
	[Leukemia Mononuclear TGLS = 18-2-1]		
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58015

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-7, 3-8, 16-26, 20-3-1]		
	[Leukemia Mononuclear TGLS = 9-7, 3-8, 16-26, 20-3-1]		
	[Leukemia Mononuclear TGLS = 9-7, 3-8, 16-26, 20-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-7, 3-8, 16-26, 20-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-7, 3-8, 16-26, 20-3-1]		
Mesentery		Leukemia Mononuclear	
* Nose		Fungus	Moderate
		Inflammation	Suppurative, Moderate
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 22-1]		
	[Leukemia Mononuclear TGLS = 22-1]		
* Preputial Gland		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
	[Degeneration TGLS = 4-8-1]		
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Basal Cell Adenoma	
		Keratoacanthoma	
	Subcut Tiss	Leukemia Mononuclear	
	Subcut Tiss	Sarcoma	

Note: The trichoepithelioma shows a very unusual pattern of cell arrangement.

[Basal Cell Adenoma TGLS = 2-22]

[Keratoacanthoma TGLS = 1-21]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58015

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma TGLS = 17-27]

* Spleen

Fibrosis
Leukemia Mononuclear

Focal, Mild

[Fibrosis TGLS = 8-23]

[Leukemia Mononuclear TGLS = 7-6]

* Testes

Bilateral, Interstit Cell

Adenoma
Leukemia Mononuclear

[Adenoma TGLS = 5-7]

[Leukemia Mononuclear TGLS = 6-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

* Urinary Bladder

Leukemia Mononuclear

Zymbal's Gland

Adenoma

[Adenoma TGLS = 21-9-3]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 471

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney	Papilla	Degeneration	Mild
	Pelvis	Dilatation	Minimal
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Mild
[Atrophy TGLS = 5-6]			
[Fatty Change TGLS = 5-6]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Moderate
[Hemorrhage TGLS = 6-3-1]			
[Hyperplasia TGLS = 6-3-1]			
Mesentery		Sarcoma	
[Sarcoma TGLS = 4-22]			
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 471

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54797

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 3-6]		Hematopoietic Cell Proliferation	Moderate
* Testes [Adenoma TGLS = 8-24]	Bilateral, Interstit Cell	Adenoma	
Tongue Note: MULTIPLE SECTIONS OF TONGUE EXAMINED; NO LESIONS.			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Congestion	Mild
		Focal Cellular Change	Mild
[Congestion TGLS = 6-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 8-2-1]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-22, 1-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-22, 1-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-22, 1-8]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 215	TRT#: 7 DOSE: 1.00%	SEX: Male DISP: Natural Death	DAY ON TEST: 570 HISTO: 90-55351
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-21]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear	
Tongue	Epithelium	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 9-23]		

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 544

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Duodenum

OBSERVATIONS

* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Minimal Mild Mild
* Liver	Bile Duct	Fatty Change Hyperplasia Infiltration Cellular	Minimal Mild Mixed Cell, Mild
[Fatty Change TGLS = 6-22] [Hyperplasia TGLS = 5-6]			
* Lung		Chordoma	Metastatic (Tissue Nos)
[Chordoma TGLS = 8-2-1, 10-2-2]			
* Lymph Node, Mesenteric		Edema Hyperplasia	Moderate Mild
[Edema TGLS = 7-5]			
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Epidermis	Hyperkeratosis Hyperplasia Keratoacanthoma	Focal, Mild Focal, Mild
[Hyperkeratosis TGLS = 11-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 216	TRT#: 7	SEX: Male	DAY ON TEST: 544
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 90-55352

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 11-24]			
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Congestion	Mild
[Congestion TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Tissue NOS	Pelvic	Chordoma	
[Chordoma TGLS = 9-23]			

PRIMARY CAUSE OF DEATH	- Tissue NOS Pelvic Chordoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hypercellularity Metaplasia Squamous Cell Papilloma	Moderate Osseous, Marked
* Esophagus [Squamous Cell Papilloma TGLS = 10-25]			
* Intestine Small, Jejunum [Carcinoma TGLS = 6-24]		Carcinoma	
* Kidney [Atrophy TGLS = 4-5]	Papilla Pelvis, Transit Epithe	Atrophy Degeneration Hyperplasia Nephropathy	Focal, Moderate Moderate Mild Moderate
* Liver Lymph Node [Hyperplasia TGLS = 5-23, 7-3-1]	Pancreatic Mediastinal	Infiltration Cellular Edema Hyperplasia	Mixed Cell, Mild Moderate Mild
* Lymph Node, Mesenteric [Hyperplasia TGLS = 5-23, 7-3-1]		Edema Hyperplasia	Moderate Marked
* Mammary Gland		Inflammation	Chronic, Minimal
* Pancreas	Acinar Cell	Hyperplasia	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217	TRT#: 7 DOSE: 1.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 619 HISTO: 91-58016
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Sebaceous Gl	Hyperplasia Keratoacanthoma	Focal, Mild
[Hyperplasia TGLS = 1-21] [Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-26]			

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 695

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Esophagus	Epithelium	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 13-28]			
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 10-27]			
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
[Alveolar/Bronchiolar Carcinoma TGLS = 11-2-1, 12-2-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinar Cell	Adenoma	
		Atrophy	Focal, Mild
[Adenoma TGLS = 9-26]			
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 14-29]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 695

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58017

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Sebaceous Gl	Adenoma	
		Basal Cell Adenoma	
	Subcut Tiss	Fibroma	Multiple
	[Adenoma TGLS = 2-22]		
	[Basal Cell Adenoma TGLS = 1-21]		
	[Fibroma TGLS = 3-23, 4-24]		
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 7-25]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 723

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Myelofibrosis	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 7-23]			
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Mesentery		Inflammation	Chronic, Minimal
	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-21]			
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland		Angiectasis	Mild
* Preputial Gland		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Inflammation	Chronic, Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 723

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58018

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Intestine Large, Colon Polyp Adenomatous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 6-22]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Fibrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 220

TRT#: 7
DOSE: 1.00%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 619
HISTO: 91-58019

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 8-23]		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 7-23]			
Coagulating Gland		Hyperplasia	Minimal
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-3-3]			
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Skin		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55823

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 6-22, 6-22-1]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 567

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	Moderate
		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-21]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 513

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 15-29]			
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]			
[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]			
[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]			
[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]			
[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]			
[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 513

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54854

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-27,8-24,11-3-1,10-26,1-8,5-23,3-22,2-21,9-25]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-26, 2-21, 3-22, 12-27]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-22, 12-27, 11-3-1, 10-26]

Mesentery

Leukemia Mononuclear

* Nose

Inflammation

Suppurative, Mild

* Preputial Gland

Degeneration

Cystic, Mild

* Prostate

Inflammation

Suppurative, Minimal

* Salivary Glands

Leukemia Mononuclear

* Seminal Vesicle

Hyperplasia

Minimal

* Skin

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 13-28]

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Inguinal	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8, 8-23]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8, 8-23]			
* Pancreas	Acinar Cell	Atrophy	Focal, Mild
		Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 3-22]			
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55354

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 7-6]

* Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Degeneration

Moderate

[Adenoma TGLS = 5-7]

[Degeneration TGLS = 4-7]

* Thyroid Gland

C Cell

Hyperplasia
Ultimobranchial Cyst

Mild

Mild

Tongue

Epithelium

Hyperplasia

Focal, Mild

[Hyperplasia TGLS = 9-24]

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 8-1]			
Coagulating Gland		Hyperplasia	Minimal
* Kidney	Renal Tubule	Adenoma	
	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Minimal
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 2-8]			
* Pancreas	Acinar Cell	Adenoma	Multiple
		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 6-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
[Degeneration TGLS = 3-8-1]			
[Inflammation TGLS = 3-8-1]			
* Prostate		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58020

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Hyperplasia	Mild
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 5-7]			
[Degeneration TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 574

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Intestine Large, Rectum

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Kidney	Papilla Cortex, Medulla	Degeneration Mineralization Nephropathy	Mild Focal, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mesenteric		Edema Hyperplasia	Moderate Moderate
[Edema TGLS = 4-5] [Hyperplasia TGLS = 4-5]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Adenoma Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7, 1-7-3]			
* Urinary Bladder	Transit Epithe	Carcinoma	
[Carcinoma TGLS = 2-8-2, 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 574

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55355

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Urinary Bladder Transit Epithe Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 5-23]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7, 3-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 567

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Spleen

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Marked
		Degeneration	Cystic, Mild
	Centrilobular	Infiltration Cellular	Mixed Cell, Moderate
		Necrosis	Moderate
	[Atrophy TGLS = 6-6]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-22]		
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-23]		
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Stomach, Glandular		Erosion	Mild
		Pigmentation	Focal, Mild
	[Pigmentation TGLS = 8-4-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 567

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55356

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7, 3-7]

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 577

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 4-23]		
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
		Infiltration Cellular	Mixed Cell, Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-24]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2-1]		
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Sarcoma	
	[Fibroma TGLS = 1-21]		
	[Sarcoma TGLS = 2-22]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 229

TRT#: 7
DOSE: 1.00%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 577
HISTO: 90-55357

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

* Urinary Bladder

Transit Epithe
Transit Epithe

Hyperplasia
Papilloma

Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 647

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Lymph Node, Mesenteric		Edema	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Moderate
* Preputial Gland		Carcinoma	
		Degeneration	Cystic, Moderate
[Carcinoma TGLS = 1-21]			
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 2-22, 3-23, 4-24, 5-25, 6-26]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 230

TRT#: 7
DOSE: 1.00%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 647
HISTO: 91-58022

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel
C Cell

Carcinoma
Hyperplasia

Minimal

[Carcinoma TGLS = 8-3]

PRIMARY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
		Cyst	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	

Note: Site of origin of cyst in liver cannot be determined.

[Cyst TGLS = 4-22]

[Leukemia Mononuclear TGLS = 5-6, 6-6]

Lymph Node Mediastinal

[Leukemia Mononuclear TGLS = 3-21]

* Lymph Node, Mandibular Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-21]

* Lymph Node, Mesenteric Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-21]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55824

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 8-1-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 9-2-1]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-21]			
* Pancreas	Acinar Cell	Adenoma	
[Adenoma TGLS = 6-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1-1]			
* Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55825

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 10-4-1]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 549

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
Blood Vessel	Mesent Artery	Inflammation	Chronic, Moderate
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-22]			
* Kidney	Papilla	Degeneration	Moderate
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Moderate
		Hyperplasia	Histiocytic, Focal, Minimal
[Congestion TGLS = 6-2]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 4-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mineralization	Focal, Mild
[Adenoma TGLS = 2-7, 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 549

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55358

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Ultimobranchial Cyst

Minimal

PRIMARY CAUSE OF DEATH

- Esophagus Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Colon [Polyp Adenomatous TGLS = 4-23]		Polyp Adenomatous	
* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy	Mild Minimal
* Lung [Thymoma Malignant TGLS = 7-2-1]		Thymoma Malignant	Metastatic (Thymus)
* Mammary Gland [Adenoma TGLS = 1-21] [Hemorrhage TGLS = 2-22]		Adenoma Hemorrhage	Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Mild
Skeletal Muscle [Thymoma Malignant TGLS = 6-24]		Thymoma Malignant	Metastatic (Uncertain Primary Site)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Thymoma Malignant TGLS = 8-2-2]	Epithel Cell	Thymoma Malignant	

PRIMARY CAUSE OF DEATH - Thymus Epithel Cell Thymoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 567

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Skin

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 3-1]	
		[Leukemia Mononuclear TGLS = 3-1]	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-6, 4-21]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 235	TRT#: 7	SEX: Male	DAY ON TEST: 567
	DOSE: 1.00%	DISP: Natural Death	HISTO: 90-55359

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-1]	Bilateral, Interstit Cell	Adenoma	
Tongue [Hyperplasia TGLS = 5-22]	Epithelium	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hypercellularity	Moderate
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 11-5]			
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Moderate
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Dilatation	Focal, Mild
	Bile Duct	Hyperplasia	Moderate
		Sarcoma	
[Sarcoma TGLS = 9-23]			
* Lung		Sarcoma	
[Sarcoma TGLS = 10-2]			
Mesentery		Sarcoma	
* Pancreas		Atrophy	Focal, Moderate
		Sarcoma	
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 236	TRT#: 7 DOSE: 1.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 556 HISTO: 90-55360
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 6-22]		Fibrosis Hematopoietic Cell Proliferation	Focal, Moderate Moderate
* Stomach, Forestomach [Sarcoma TGLS = 7-4-1]		Sarcoma	
* Stomach, Glandular [Sarcoma TGLS = 7-4-1]		Sarcoma	
* Testes [Adenoma TGLS = 4-7, 4-7-3] [Degeneration TGLS = 5-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Mild
Tongue [Squamous Cell Papilloma TGLS = 12-24]		Squamous Cell Papilloma	
Zymbal's Gland [Adenoma TGLS = 13-25]		Adenoma Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 576

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Mild
* Epididymis		Inflammation	Chronic, Mild
[Inflammation TGLS = 7-7-1]			
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-3-1, 13-5, 2-8]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 2-8]			
[Leukemia Mononuclear TGLS = 2-8, 14-3-1, 13-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8, 14-3-1, 13-5]			
* Preputial Gland		Degeneration	Cystic, Mild
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6, 9-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 576

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55361

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

Tissue NOS

Scrotal

Inflammation

Chronic, Mild

[Inflammation TGLS = 6-21]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 432

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Atrophy	Focal, Moderate
	Papilla	Degeneration	Moderate
	Epithelium, Papilla	Hyperplasia	Moderate
		Nephropathy	Mild
[Atrophy TGLS = 13-5-1]			
[Nephropathy TGLS = 13-5-1]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Hemorrhage	Focal, Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 11-2]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3, 9-5, 6-7-3, 12-22]			
[Leukemia Mononuclear TGLS = 10-3, 9-5, 6-7-3, 12-22]			
[Leukemia Mononuclear TGLS = 10-3, 9-5, 6-7-3, 12-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3, 9-5, 6-7-3, 12-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 432

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54499

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 10-3, 9-5, 6-7-3, 12-22]

Leukemia Mononuclear

* Pancreas

Atrophy

Focal, Mild

* Preputial Gland

Degeneration

Cystic, Moderate

* Spleen

Fibrosis

Focal, Mild

[Fibrosis TGLS = 5-21]

[Leukemia Mononuclear TGLS = 4-6]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
Blood Vessel	Mesent Artery	Inflammation	Chronic, Moderate
[Inflammation TGLS = 10-25]			
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-7-1]			
* Kidney	Epithelium, Papilla	Atrophy	Focal, Moderate
		Hyperplasia	Mild
		Nephropathy	Mild
[Atrophy TGLS = 4-24, 9-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Sarcoma	Metastatic (Spleen)
[Sarcoma TGLS = 11-26]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1, 6-7]			
[Leukemia Mononuclear TGLS = 12-3-1, 6-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1, 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1, 6-7]			
Mesentery		Mesothelioma Malignant	
* Nose		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 736

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57633

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8-1]			
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	Multiple
		Squamous Cell Papilloma	Multiple
[Fibroma TGLS = 1-21, 1-21-1, 2-22]			
[Squamous Cell Papilloma TGLS = 13-27, 14-28, 15-29]			
* Spleen		Sarcoma	
[Sarcoma TGLS = 3-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 1.00%

DISP: Natural Death

HISTO: 91-58023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Epididymis | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---------------------|-------------------------|------------------|
| * Adrenal Cortex | | Congestion | Mild |
| | | Leukemia Mononuclear | |
| [Congestion TGLS = 6-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Esophagus | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLS = 9-22] | | | |
| * Intestine Large, Rectum | | Parasite Metazoan | Mild |
| * Kidney | Papilla | Degeneration | Minimal |
| | Epithelium, Papilla | Hyperplasia | Minimal |
| | | Nephropathy | Minimal |
| * Liver | Centrilobular | Atrophy | Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | Hepatocyte | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-5, 5-7, 1-8, 10-3-1] | | | |
| [Leukemia Mononuclear TGLS = 8-5, 5-7, 1-8, 10-3-1] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 1.00%

DISP: Natural Death

HISTO: 91-58023

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-5, 5-7, 1-8, 10-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5, 5-7, 1-8, 10-3-1]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Fibrosis	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 586

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 9-24]			
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8, 12-2-2, 8-23]			
[Leukemia Mononuclear TGLS = 3-8, 12-2-2, 8-23]			
[Leukemia Mononuclear TGLS = 3-8, 12-2-2, 8-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8, 12-2-2, 8-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8, 12-2-2, 8-23]			
* Preputial Gland		Degeneration	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 241	TRT#: 7 DOSE: 1.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 586 HISTO: 90-55462
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 7-22]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 13-25]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Marked
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-2]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 7-7-3]		
	[Leukemia Mononuclear TGLS = 2-8, 7-7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 7-7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-7-3, 2-8]		
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55362

ORGAN AND ACCOUNTABLE SITE STATUS

	Fat, Subcut Tiss	Necrosis	Moderate
[Cyst Epithelial Inclusion TGLS = 3-21]			
[Necrosis TGLS = 4-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia Inflammation Ulcer	Mild Chronic, Moderate Mild
[Hyperplasia TGLS = 14-4-1, 15-4-2]			
[Ulcer TGLS = 14-4-1, 15-4-2]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 12-23]			
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 13-24]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 608

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thymus	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hypercellularity	Mild
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 6-5-1]			
* Kidney	Epithelium, Papilla Papilla	Hyperplasia Mineralization Nephropathy	Mild Focal, Moderate Minimal
* Liver	Centrilobular Bile Duct	Atrophy Fatty Change Hyperplasia Leukemia Mononuclear	Moderate Moderate Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose		Fungus Inflammation	Mild Suppurative, Moderate
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 3-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 608

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55826

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Inflammation

Chronic, Mild

Erosion

Mild

* Testes

Interstit Cell

Inflammation

Chronic, Mild

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

Follicular Cel

Adenoma

[Adenoma TGLS = 5-3]

* Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Metaplasia	Osseous, Mild
		Myelofibrosis	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
	[Leukemia Mononuclear TGLS = 11-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Carcinoma TGLS = 14-2-1]		
	[Leukemia Mononuclear TGLS = 13-2, 15-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-3-1, 8-7]		
	[Leukemia Mononuclear TGLS = 12-3-1, 8-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58024

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 16-25]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Inflammation TGLS = 6-8-1]		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 2-21, 3-22, 4-23, 5-24]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Mild Mild Mild
* Liver	Bile Duct	Fatty Change Hyperplasia	Minimal Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Minimal Minimal Minimal
* Liver		Eosinophilic Focus Fatty Change	Minimal Minimal
	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change Hemorrhage	Mild Moderate
[Hemorrhage TGLS = 2-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 149

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 89-51337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Urinary Bladder		Inflammation	Chronic, Marked
[Inflammation TGLS = 2-8, 3-8]			

PRIMARY CAUSE OF DEATH

- Urinary Bladder Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Seminal Vesicle | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|---|---|----------------------|
| * Kidney | Pelvis, Transit Epithe
Epithelium, Papilla | Carcinoma
Hyperplasia
Nephropathy | Mild
Minimal |
| [Carcinoma TGLS = 3-5-1,2-5] | | | |
| * Preputial Gland | | Degeneration | Cystic, Minimal |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Skin | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 4-21] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Mild Minimal Mild
* Liver		Fatty Change Inflammation	Minimal Focal, Mild
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Papilloma	
[Papilloma TGLS = 2-8-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 2-21]			
* Kidney	Papilla	Atrophy	Focal, Moderate
	Epithelium, Papilla	Degeneration	Minimal
		Hyperplasia	Marked
		Nephropathy	Mild
[Atrophy TGLS = 1-5-1]			
* Liver		Inflammation	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 9

SEX: Male

DAY ON TEST: 451

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
Note: PIGMENT IN RENAL TUBULES IN EXCESS OF NORMAL.			
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
	Centrilobular	Hepatodiaphragmatic Nodule	Mild
		Necrosis	Mild
	[Atrophy TGLS = 9-6]		
	[Hepatodiaphragmatic Nodule TGLS = 10-23]		
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIOMA IS WIDESPREAD ON ABDOMINAL SEROUS SURFACES.			
	[Mesothelioma Malignant TGLS = 3-21, 6-22, 7-7, 8-6, 11-7-1]		
* Nose		Inflammation	Suppurative, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Erosion	Minimal
		Pigmentation	Focal, Mild
	[Pigmentation TGLS = 12-24]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	[Adenoma TGLS = 2-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 251

TRT#: 9

SEX: Male

DAY ON TEST: 451

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54564

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 4-7]

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 9

SEX: Male

DAY ON TEST: 660

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Zymbal'S Gland)
		Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 7-2-1]			
[Carcinoma TGLS = 8-2]			
* Lymph Node, Mandibular		Edema	Moderate
		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Mild
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 11-23]			
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 9

SEX: Male

DAY ON TEST: 660

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57985

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Adenoma TGLS = 1-21]	Sebaceous Gl	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 3-6, 4-6]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Papilloma	
Zymbal's Gland [Carcinoma TGLS = 10-22, 10-22-1]	Bilateral	Carcinoma	

PRIMARY CAUSE OF DEATH - Zymbal's Gland Bilateral Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 9

SEX: Male

DAY ON TEST: 471

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
[Hemorrhage TGLS = 4-2-1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Focal, Minimal
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 7-25]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 5-23, 6-24]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Bilateral Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 9

SEX: Male

DAY ON TEST: 659

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	Tissue NOS	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 12-26]			
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 13-27]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
		Necrosis	Focal, Minimal
* Lung		Mesothelioma Malignant	Metastatic (Mesentery)
Lymph Node	Mediastinal	Mesothelioma Malignant	Metastatic (Mesentery)
[Mesothelioma Malignant TGLS = 11-3-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-23, 7-24, 8-7]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 9

SEX: Male

DAY ON TEST: 659

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57986

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Adenoma	
		Degeneration	Cystic, Mild
		Inflammation	Chronic, Moderate
[Adenoma TGLS = 3-22]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 10-21]			
* Spleen		Fibrosis	Focal, Moderate
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 9-25]			
* Stomach, Forestomach	Mucosa	Squamous Cell Papilloma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Mesentery	Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 9

SEX: Male

DAY ON TEST: 585

DOSE: 2.00%

DISP: Natural Death

HISTO: 90-55459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
* Lung	Alveolar Epith	Hyperplasia	Moderate
Mesentery		Mesothelioma Malignant	
		[Mesothelioma Malignant TGLS = 4-21]	
* Pancreas	Acinar Cell	Adenoma	Multiple
* Preputial Gland		Degeneration	Cystic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-7-3]	

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 9

SEX: Male

DAY ON TEST: 516

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7-1]			
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Fatty Change TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-21]			
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
* Pancreas		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-22]			
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-23]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 9

SEX: Male

DAY ON TEST: 516

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54848

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 9

SEX: Male

DAY ON TEST: 592

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7, 10-3-1]		
	[Leukemia Mononuclear TGLS = 4-7, 10-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7, 10-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7, 10-3-1]		
* Pancreas	Acinar Cell	Hyperplasia	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
* Seminal Vesicle		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 257	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 592 HISTO: 90-55621
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Spleen [Fibrosis TGLS = 6-22, 7-23] [Leukemia Mononuclear TGLS = 5-6, 7-23]		Fibrosis Leukemia Mononuclear	Focal, Moderate
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Dilatation	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 9

SEX: Male

DAY ON TEST: 619

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 12-25]			
* Bone Marrow		Hypercellularity	Mild
* Intestine Small, Jejunum		Carcinoma	
		Diverticulum	Moderate
		Inflammation	Chronic, Focal, Moderate
[Carcinoma TGLS = 8-22]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Fungus	Moderate
	Respirat Epith	Hyperplasia	Focal, Moderate
		Inflammation	Suppurative, Moderate
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 9

SEX: Male

DAY ON TEST: 619

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57987

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-9-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8-1]			
* Skin	Subcut Tiss	Fibroma Squamous Cell Papilloma	
[Fibroma TGLS = 4-21]			
[Squamous Cell Papilloma TGLS = 11-24]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	Follicle	Dilatation	Minimal
Zymbal's Gland		Adenoma Carcinoma	

Note: Adenoma is present on left side; carcinoma present on right side. See slide #23-1.

[Carcinoma TGLS = 10-23, 10-23-1]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 9

SEX: Male

DAY ON TEST: 575

DOSE: 2.00%

DISP: Natural Death

HISTO: 90-55344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-7-1]			
Eye	Sclera	Mineralization	Focal, Mild
[Mineralization TGLS = 1-21]			
* Kidney		Nephropathy	Mild
Mesentery	Fat	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-23]		Necrosis	Moderate
[Necrosis TGLS = 7-24]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	Follicle	Dilatation	Mild
	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 9

SEX: Male

DAY ON TEST: 575

DOSE: 2.00%

DISP: Natural Death

HISTO: 90-55344

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 8-25]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 9

SEX: Male

DAY ON TEST: 653

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hypercellularity	Moderate
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-7-1]		
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatocellular Carcinoma TGLS = 11-27]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Squamous Cell Carcinoma	
	[Hyperplasia TGLS = 15-2-2]		
	[Squamous Cell Carcinoma TGLS = 13-2-1]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-5, 12-3-1]		
	[Leukemia Mononuclear TGLS = 10-5, 12-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-5, 12-3-1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-5, 12-3-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 9

SEX: Male

DAY ON TEST: 653

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57988

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Hyperplasia TGLS = 6-7, 9-26]	Acinar Cell	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cyst Focal Cellular Change	Moderate Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Skin [Adenoma TGLS = 2-22] [Fibroma TGLS = 1-21] [Squamous Cell Papilloma TGLS = 3-23]	Sebaceous Gl Subcut Tiss	Adenoma Fibroma Squamous Cell Papilloma	Multiple
* Spleen [Fibrosis TGLS = 8-25] [Leukemia Mononuclear TGLS = 7-6, 8-25]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus	Epithel Cell	Thymoma Nos	
* Thyroid Gland [Dilatation TGLS = 14-3] [Hyperplasia TGLS = 14-3]	Follicle Follicular Cel	Dilatation Hyperplasia	Mild Mild
Tissue NOS [Mesothelioma Malignant TGLS = 5-24]	Scrotal	Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 9

SEX: Male

DAY ON TEST: 507

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hyperplasia	Mild
[Hyperplasia TGLS = 7-3-1]			
* Lymph Node, Mesenteric		Hyperplasia	Mild
[Hyperplasia TGLS = 7-3-1]			
* Pancreas	Acinar Cell	Adenoma	
[Adenoma TGLS = 4-22]		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 6-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 9

SEX: Male

DAY ON TEST: 507

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54790

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 9

SEX: Male

DAY ON TEST: 704

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 14-24]			
* Bone Marrow		Hypercellularity	Mild
* Brain		Compression	Moderate
[Compression TGLS = 13-1-1]			
* Epididymis		Mesothelioma Malignant	
* Kidney	Pelvis, Transit Epithe	Carcinoma	
	Pelvis	Dilatation	Moderate
		Nephropathy	Mild
[Carcinoma TGLS = 5-5]			
[Dilatation TGLS = 10-5]			
[Nephropathy TGLS = 5-5]			
* Liver	Centrilobular	Atrophy	Mild
		Eosinophilic Focus	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
Mesentery		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 9

SEX: Male

DAY ON TEST: 704

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57989

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 12-1]	Pars Distalis	Adenoma	
* Preputial Gland [Adenoma TGLS = 3-23]		Adenoma Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Hyperplasia	Minimal
* Skin [Basal Cell Adenoma TGLS = 1-21] [Keratoacanthoma TGLS = 2-22]		Basal Cell Adenoma Keratoacanthoma	
* Spleen [Fibrosis TGLS = 6-6] [Leukemia Mononuclear TGLS = 7-6]		Fibrosis Leukemia Mononuclear	Focal, Moderate
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 9

SEX: Male

DAY ON TEST: 586

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-7-1]			
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 10-25]			
* Intestine Small, Ileum	Mucosa	Carcinoma	
[Carcinoma TGLS = 9-24]			
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 14-28]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 12-2-1]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 13-27]			
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Epidermis	Hyperplasia	Focal, Mild
		Keratoacanthoma	
[Hyperplasia TGLS = 2-22]			
[Keratoacanthoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 263	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 586 HISTO: 90-55460
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Erosion Inflammation Squamous Cell Papilloma	Marked Chronic, Moderate
[Squamous Cell Papilloma TGLS = 15-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
Tissue NOS	Scrotal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-23]			
Tongue		Squamous Cell Papilloma	Multiple
[Squamous Cell Papilloma TGLS = 11-26]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 9

SEX: Male

DAY ON TEST: 222

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-51576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
[Inflammation TGLS = 3-2]			
Lymph Node	Deep Cervical	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8, 4-22]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8, 4-22]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-21, 2-21-1]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 9

SEX: Male

DAY ON TEST: 432

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain			
Note: BRAIN: VENTRAL CYST-LIKE SPACE WITH NERVE IS ARTIFACT.			
* Kidney	Papilla	Degeneration Nephropathy	Minimal Minimal
* Liver		Congestion Degeneration	Focal, Mild Cystic, Minimal
	Bile Duct	Hyperplasia Infiltration Cellular	Minimal Mixed Cell, Mild
[Congestion TGLS = 4-6]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7, 6-7-3]			
* Thyroid Gland	Follicular Cel	Adenoma	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 5-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 9

SEX: Male

DAY ON TEST: 432

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54500

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 9

SEX: Male

DAY ON TEST: 511

DOSE: 2.00%

DISP: Natural Death

HISTO: 90-54794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 13-1]		
	[Leukemia Mononuclear TGLS = 13-1]		
* Epididymis		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-7-1]		
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6, 9-22]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 11-3-1, 10-5, 10-5, 5-7]		
	[Leukemia Mononuclear TGLS = 2-8, 11-3-1, 10-5, 10-5, 5-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8, 11-3-1, 10-5, 10-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 9

SEX: Male

DAY ON TEST: 511

DOSE: 2.00%

DISP: Natural Death

HISTO: 90-54794

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8, 11-3-1, 10-5, 10-5]

Mesentery	Leukemia Mononuclear	
	Mesothelioma Malignant	
* Pancreas	Atrophy	Focal, Mild
	Leukemia Mononuclear	
* Preputial Gland	Degeneration	Cystic, Moderate
* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6, 7-21]		
* Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 15-24]		
* Testes	Bilateral, Interstit Cell	
	Adenoma	
[Adenoma TGLS = 3-7]		
* Thymus	Leukemia Mononuclear	
Tongue	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 14-23]		

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 9

SEX: Male

DAY ON TEST: 507

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
Coagulating Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 9-3-1]			
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Moderate
* Seminal Vesicle		Hyperplasia	Minimal
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-23]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 9

SEX: Male

DAY ON TEST: 507

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54791

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 6-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 9

SEX: Male

DAY ON TEST: 620

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Developmental Malformation	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	[Developmental Malformation TGLS = 4-6]		
Pharynx	Palate	Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 6-23]		
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 1-8]		
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	Moderate
	Note: CYST CONTAINS PUS.		
	[Cyst Epithelial Inclusion TGLS = 5-22]		
* Spleen		Fibrosis	Focal, Moderate
	[Fibrosis TGLS = 3-21]		
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 7-4-1]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 268

TRT#: 9
DOSE: 2.00%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 620
HISTO: 91-57990

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Skin Cyst Epithelial Inclusion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 9

SEX: Male

DAY ON TEST: 522

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Heart		Carcinoma	Metastatic (Seminal Vesicle)
* Kidney	Papilla	Degeneration	Mild
	Epithelium, Papilla	Hydronephrosis	Moderate
		Hyperplasia	Minimal
		Nephropathy	Minimal
[Hydronephrosis TGLS = 4-5]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Moderate
		Leukemia Mononuclear	
[Atrophy TGLS = 7-6]			
[Hyperplasia TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Carcinoma	Metastatic (Seminal Vesicle), Multiple (Seminal Vesicle)
[Alveolar/Bronchiolar Carcinoma TGLS = 8-2-1]			
[Carcinoma TGLS = 9-2-2]			
Mesentery		Carcinoma	Metastatic (Seminal Vesicle)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 9

SEX: Male

DAY ON TEST: 522

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54907

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-21]

* Nose

Fungus

Moderate

Inflammation

Suppurative, Moderate

* Preputial Gland

Degeneration

Cystic, Mild

* Prostate

Carcinoma

Metastatic (Seminal Vesicle)

Inflammation

Suppurative, Mild

* Seminal Vesicle

Carcinoma

[Carcinoma TGLS = 3-23, 3-23-1]

* Spleen

Carcinoma

Metastatic (Seminal Vesicle)

Fibrosis

Focal, Mild

Hematopoietic Cell Proliferation

Moderate

[Carcinoma TGLS = 6-22]

[Hematopoietic Cell Proliferation TGLS = 5-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Adenoma

* Urinary Bladder

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Seminal Vesicle Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 9

SEX: Male

DAY ON TEST: 659

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 26-35]			
* Bone Marrow		Hypercellularity	Moderate
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7-1]			
* Intestine Large, Colon		Carcinoma	
		Mesothelioma Malignant	
		Polyp Adenomatous	
Note: [MESOTHELIO MAL] TGLS = 23-33			
[Carcinoma TGLS = 20-30, 22-32]			
[Polyp Adenomatous TGLS = 21-31]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-6]			
Lymph Node	Inguinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-5, 3-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-5, 3-23]			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 9

SEX: Male

DAY ON TEST: 659

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57991

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 4-24]			
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Mild
[Mesothelioma Malignant TGLS = 9-26, 10-27]			
[Necrosis TGLS = 10-27]			
* Pancreas		Mesothelioma Malignant	
* Preputial Gland		Degeneration	Cystic, Mild
* Skin		Basal Cell Adenoma	
	Hair Follicle	Cyst	Moderate
	Sebaceous Gl	Hyperplasia	Focal, Mild
		Inflammation	Chronic, Focal, Moderate
		Squamous Cell Papilloma	
[Basal Cell Adenoma TGLS = 25-34-1]			
[Cyst TGLS = 1-21]			
[Inflammation TGLS = 1-21]			
[Squamous Cell Papilloma TGLS = 2-22]			
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 12-28, 13-29]			
[Leukemia Mononuclear TGLS = 11-6]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Ulcer	Mild
[Ulcer TGLS = 27-4, 27-4-1, 27-4-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-, 7-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicle	Dilatation	Mild
	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 9

SEX: Male

DAY ON TEST: 659

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57991

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Scrotal

Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 8-25]

PRIMARY CAUSE OF DEATH

- Intestine Large, Colon Polyp Adenomatous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 9

SEX: Male

DAY ON TEST: 516

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Myelofibrosis	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 8-6]		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2, 5-2-1, 6-2-2, 7-2-4, 9-2-3]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
* Pancreas		Atrophy	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 9

SEX: Male

DAY ON TEST: 516

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54849

ORGAN AND ACCOUNTABLE SITE STATUS

Pharynx	Palate	Leukemia Mononuclear	
	Palate	Squamous Cell Carcinoma	
		Squamous Cell Papilloma	
	[Squamous Cell Carcinoma TGLS = 10-9-1]		
	[Squamous Cell Papilloma TGLS = 10-21]		
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular	Mucosa	Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	
Tongue	Epithelium	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 11-22]		
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 9

SEX: Male

DAY ON TEST: 366

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-52641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain	Meninges	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 15-28]		
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-26]		
* Intestine Small, Jejunum		Carcinoma	
	[Leukemia Mononuclear TGLS = 11-26]	Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Liver		Nephropathy	Minimal
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	Multiple, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Fatty Change TGLS = 8-24]		
	[Hepatodiaphragmatic Nodule TGLS = 6-22, 7-23]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-27, 5-30, 1-8, 9-25, 13-3]		
	[Leukemia Mononuclear TGLS = 12-27, 5-30, 1-8, 9-25, 13-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 9

SEX: Male

DAY ON TEST: 366

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-52641

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-27, 5-30, 1-8, 9-25, 13-3]			
[Leukemia Mononuclear TGLS = 12-27, 5-30, 1-8, 9-25, 13-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-27, 5-30, 1-8, 9-25]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-27, 5-30, 1-8, 9-25]			
Mesentery		Leukemia Mononuclear	
* Nose	Mucosa	Leukemia Mononuclear	
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-21]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
[Hyperplasia TGLS = 10-4-1, 17-31]			
[Inflammation TGLS = 10-4-1, 17-31]			
[Ulcer TGLS = 10-4-1, 17-31]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
Tongue	Epithelium	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 14-29]			
Tooth	Peridont Tiss	Leukemia Mononuclear	
* Urinary Bladder		Hemorrhage	Mild
	Transit Epithe	Hyperplasia	Minimal
[Hemorrhage TGLS = 2-8-1]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 9

SEX: Male

DAY ON TEST: 424

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5, 8-3, 1-8, 5-21]		
	[Leukemia Mononuclear TGLS = 4-5, 8-3, 1-8, 5-21]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5, 8-3, 1-8, 5-21]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5, 8-3, 1-8, 5-21]		
* Pancreas	Acinar Cell	Hyperplasia	Focal, Minimal
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 9

SEX: Male

DAY ON TEST: 424

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54501

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Follicle

Dilatation

Mild

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 9

SEX: Male

DAY ON TEST: 591

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 3-2-1]		
* Pancreas		Atrophy	Focal, Mild
	Duct	Dilatation	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
* Seminal Vesicle		Hyperplasia	Mild
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-21-1]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Adenoma;Preputial Gland Inflammation;Skin Basal Cell Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 9

SEX: Male

DAY ON TEST: 726

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Lung	Peribronchial	Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 5-2-1, 7-2-2]	Infiltration Cellular	Lymphocyte, Moderate
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Atrophy	Focal, Mild
		Hyperplasia	Focal, Moderate
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-21]	Degeneration	Cystic, Moderate
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 4-22]		
* Spleen		Fibrosis	Focal, Mild
	[Fibrosis TGLS = 6-24]	Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 9

SEX: Male

DAY ON TEST: 726

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57992

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-7]		
Tongue		Squamous Cell Papilloma
[Squamous Cell Papilloma TGLS = 3-23]		

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 9

SEX: Male

DAY ON TEST: 647

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Trachea

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
		Parasite Metazoan	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 12-25]			
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-26]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
[Nephropathy TGLS = 9-5]			
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 9

DOSE: 2.00%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 91-57993

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8,5-7,15-28,16-3-1,11-24,3-22,14-27,1-21]

[Leukemia Mononuclear TGLS = 2-8,5-7,15-28,16-3-1,11-24,3-22,14-27,1-21]

[Leukemia Mononuclear TGLS = 2-8,5-7,15-28,16-3-1,11-24,3-22,14-27,1-21]

[Leukemia Mononuclear TGLS = 2-8,5-7,15-28,16-3-1,11-24,3-22,14-27,1-21]

[Leukemia Mononuclear TGLS = 2-8,5-7,15-28,16-3-1,11-24,3-22,14-27,1-21]

[Leukemia Mononuclear TGLS = 2-8,5-7,15-28,16-3-1,11-24,3-22,14-27,1-21]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8, 5-7, 15-28, 16-3-1]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8, 5-7, 15-28, 16-3-1]

* Mammary Gland

Dilatation

Minimal

* Pancreas

Acinar Cell

Hyperplasia

Focal, Minimal

* Preputial Gland

Degeneration

Cystic, Mild

* Prostate

Inflammation

Suppurative, Mild

Leukemia Mononuclear

* Spleen

Fibrosis

Focal, Moderate

Leukemia Mononuclear

Necrosis

Focal, Moderate

[Fibrosis TGLS = 7-23]

[Leukemia Mononuclear TGLS = 6-6]

* Stomach, Forestomach

Mucosa

Hyperplasia

Minimal

* Stomach, Glandular

Erosion

Mild

[Erosion TGLS = 17-4-1]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Transit Epithe

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 9

SEX: Male

DAY ON TEST: 520

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 11-25]			
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 10-24]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 8-3-1]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-21, 5-22]			
* Pancreas		Atrophy	Focal, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 277	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 520 HISTO: 90-54908
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 7-23] [Hematopoietic Cell Proliferation TGLS = 6-6]		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
[Adenoma TGLS = 3-7] [Degeneration TGLS = 2-7]			
* Thyroid Gland	Follicular Cel C Cell Follicular Cel	Adenoma Hyperplasia Hyperplasia	Minimal Mild
[Adenoma TGLS = 9-3]			

PRIMARY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 9

SEX: Male

DAY ON TEST: 432

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Intestine Large, Colon		Polyp Adenomatous	Multiple
[Polyp Adenomatous TGLS = 4-23, 5-24]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 1-21]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-22]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibrosis	Mild
* Testes	Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 6-25]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 9

SEX: Male

DAY ON TEST: 402

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
	Adventitia, Calvarium	Proliferation Connective Tissue	Moderate
	[Hyperostosis TGLS = 5-23]		
	[Proliferation Connective Tissue TGLS = 5-23]		
* Intestine Large, Colon		Polyp Adenomatous	
	[Polyp Adenomatous TGLS = 3-21]		
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Inflammation	Focal, Minimal
* Lymph Node, Mandibular		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
Zymbal's Gland		Carcinoma	
		Dilatation	Mild
	[Carcinoma TGLS = 4-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 9

SEX: Male

DAY ON TEST: 402

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54503

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 9

SEX: Male

DAY ON TEST: 519

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-7-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Mesentery		Mesothelioma Malignant	
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 5-22]		Fibroma	
[Fibroma TGLS = 4-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7, 6-23]			
* Thymus		Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 9

SEX: Male

DAY ON TEST: 619

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
Coagulating Gland		Hyperplasia	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 6-24]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Cyst	Mild
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-22, 11-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1, 5-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1, 5-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1, 5-23]			
* Mammary Gland		Dilatation	Minimal
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 9

SEX: Male

DAY ON TEST: 619

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57994

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Intermed	Adenoma	
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin [Hyperkeratosis TGLS = 1-21] [Hyperplasia TGLS = 1-21]	Epidermis	Hyperkeratosis Hyperplasia	Focal, Mild Focal, Mild
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Stomach, Forestomach [Squamous Cell Papilloma TGLS = 10-4-1]		Squamous Cell Papilloma	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus Tongue [Squamous Cell Papilloma TGLS = 7-25]		Leukemia Mononuclear Squamous Cell Papilloma	
Tooth	Incisor	Dysplasia	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 9

SEX: Male

DAY ON TEST: 619

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Carcinoma TGLS = 12-2]			
[Leukemia Mononuclear TGLS = 12-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 11-3-1, 3-8]			
[Leukemia Mononuclear TGLS = 6-7, 11-3-1, 3-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 11-3-1, 3-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 11-3-1, 3-8]			
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Minimal
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 9

SEX: Male

DAY ON TEST: 619

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57995

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 13-3]			
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 14-25]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	Moderate
		Inflammation	Chronic, Focal, Marked
[Cyst Epithelial Inclusion TGLS = 2-22]			
[Inflammation TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 8-23]			
[Leukemia Mononuclear TGLS = 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 15-24]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 9

SEX: Male

DAY ON TEST: 522

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 10-23]			
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-7-1]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hematopoietic Cell Proliferation	Mild
[Atrophy TGLS = 8-6]		Hyperplasia	Mild
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-22]			
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 7-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 9

SEX: Male

DAY ON TEST: 610

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Fungus	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 6-8-1]		
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 7-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 284	TRT#: 9	SEX: Male	DAY ON TEST: 610
	DOSE: 2.00%	DISP: Moribund Sacrifice	HISTO: 90-55821

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear
* Thyroid Gland	C Cell	Adenoma
[Adenoma TGLS = 4-3]		
Zymbal's Gland		Carcinoma
[Carcinoma TGLS = 5-21]		

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 9

SEX: Male

DAY ON TEST: 576

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Angiectasis	Mild
* Bone Marrow		Hypercellularity	Moderate
* Intestine Small, Ileum		Carcinoma	
		Inflammation	Chronic, Focal, Marked
[Inflammation TGLS = 5-23]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mediastinal	Edema	Mild
	Mediastinal	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-3-1]			
Mesentery		Inflammation	Chronic, Moderate
	Fat	Necrosis	Moderate
[Inflammation TGLS = 4-22]			
[Necrosis TGLS = 4-22]			
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 285	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 576 HISTO: 90-55345
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen		Fibrosis	Focal, Moderate
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Intestine Small, Ileum Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 9

SEX: Male

DAY ON TEST: 537

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Intestine Small, Jejunum		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 5-24]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Moderate
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Dilatation	Moderate
		Hyperplasia	Minimal
[Dilatation TGLS = 3-7]			
* Skin		Keratoacanthoma	Multiple
[Keratoacanthoma TGLS = 1-21, 2-22]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 4-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 9

SEX: Male

DAY ON TEST: 537

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55346

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 6-25, 6-25-1]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 9

SEX: Male

DAY ON TEST: 677

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mandibular			
[Leukemia Mononuclear TGLS = 4-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 6-24, 7-25]			
* Pancreas	Acinar Cell	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 10-7]			
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8-1]			
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Keratoacanthoma	
		Squamous Cell Papilloma	
		Trichoepithelioma	
[Keratoacanthoma TGLS = 1-21]			
[Squamous Cell Papilloma TGLS = 3-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 287	TRT#: 9	SEX: Male	DAY ON TEST: 677
	DOSE: 2.00%	DISP: Moribund Sacrifice	HISTO: 91-57996

ORGAN AND ACCOUNTABLE SITE STATUS

[Trichoepithelioma TGLS = 2-22]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Mild
[Fibrosis TGLS = 12-26]			
[Leukemia Mononuclear TGLS = 11-6]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
[Adenoma TGLS = 9-7]			
[Degeneration TGLS = 8-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 9

SEX: Male

DAY ON TEST: 663

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	* Trachea		

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 12-26, 14-28]			
* Brain		Compression	Minimal
[Compression TGLS = 13-1-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
[Basophilic Focus TGLS = 9-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-24]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-8]			
* Skin		Basal Cell Adenoma	
		Keratoacanthoma	
		Squamous Cell Papilloma	
[Basal Cell Adenoma TGLS = 1-21]			
[Keratoacanthoma TGLS = 2-22]			
[Squamous Cell Papilloma TGLS = 3-23]			
* Spleen		Fibrosis	Focal, Moderate
[Fibrosis TGLS = 7-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 288	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 663 HISTO: 91-57997
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 10-4-1]	Mucosa	Erosion Hyperplasia	Mild Mild
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Dilatation	Minimal
Tongue [Hyperplasia TGLS = 11-29]	Follicular Cel Epithelium	Hyperplasia Hyperplasia	Mild Focal, Mild
* Urinary Bladder [Carcinoma TGLS = 8-27]	Transit Epithe	Carcinoma	

PRIMARY CAUSE OF DEATH - Urinary Bladder Transit Epithe Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 9

SEX: Male

DAY ON TEST: 605

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Minimal
[Hyperostosis TGLS = 12-23]			
* Heart		Thrombosis	Marked
[Thrombosis TGLS = 10-5-1]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Atrophy TGLS = 6-7]			
[Fatty Change TGLS = 6-7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 11-2-1, 14-2-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1, 7-22]			
[Leukemia Mononuclear TGLS = 9-3-1, 7-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1, 7-22]			
* Lymph Node, Mesenteric		Edema	Moderate
		Leukemia Mononuclear	
[Edema TGLS = 7-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 9

SEX: Male

DAY ON TEST: 605

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55822

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-3-1, 7-22]

* Mammary Gland

Dilatation

Minimal

Mesentery

Fat

Necrosis

Mild

[Necrosis TGLS = 3-21]

* Nose

Inflammation

Suppurative, Mild

* Pancreas

Atrophy

Focal, Mild

Leukemia Mononuclear

* Pituitary Gland

Cyst

Mild

[Cyst TGLS = 13-1]

* Preputial Gland

Degeneration

Cystic, Mild

* Prostate

Inflammation

Suppurative, Moderate

* Seminal Vesicle

Hyperplasia

Minimal

* Spleen

Fibrosis

Focal, Minimal

Leukemia Mononuclear

[Fibrosis TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Degeneration

Moderate

[Adenoma TGLS = 2-7]

[Degeneration TGLS = 1-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Follicular Cel

Adenoma

C Cell

Hyperplasia

Minimal

[Adenoma TGLS = 8-3]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 9

SEX: Male

DAY ON TEST: 654

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-7-1]			
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6, 8-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLS = 10-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
[Leukemia Mononuclear TGLS = 9-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 9

SEX: Male

DAY ON TEST: 654

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57998

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Fibrosis	Focal, Moderate
[Fibrosis TGLS = 6-23]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Dilatation	Moderate
Tissue NOS	Scrotal	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-22]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 9

SEX: Male

DAY ON TEST: 490

DOSE: 2.00%

DISP: Natural Death

HISTO: 90-54792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Lymph Node, Mesenteric
* Seminal Vesicle
* Urinary Bladder

* Adrenal Medulla
* Esophagus
* Parathyroid Gland
* Stomach, Forestomach

* Bone
* Heart
* Pituitary Gland
* Thymus

* Bone Marrow
* Lymph Node, Mandibular
* Salivary Glands
* Trachea

MISSING

* Mammary Gland

* Skin

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Ileum
* Pancreas

* Intestine Large, Colon
* Intestine Small, Jejunum
* Thyroid Gland

* Intestine Large, Rectum
* Islets, Pancreatic

* Intestine Small, Duodenum
* Kidney

OBSERVATIONS

* Epididymis
[Mesothelioma Malignant TGLS = 6-7-1]

Mesothelioma Malignant

* Liver
Centrilobular
Bile Duct
[Fatty Change TGLS = 8-6]

Atrophy
Fatty Change
Hyperplasia

Marked
Marked
Mild

* Lung
[Hyperplasia TGLS = 10-23]
Lymph Node
[Hemorrhage TGLS = 7-3-1]

Alveolar Epith
Mediastinal

Hyperplasia
Hemorrhage

Mild
Moderate

Mesentery
[Mesothelioma Malignant TGLS = 4-21]

Mesothelioma Malignant

* Nose
* Preputial Gland
[Degeneration TGLS = 2-8-1]

Inflammation
Degeneration

Suppurative, Mild
Cystic, Mild

* Prostate
* Spleen
[Fibrosis TGLS = 9-22]

Inflammation
Fibrosis

Suppurative, Mild
Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 291	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Natural Death	DAY ON TEST: 490 HISTO: 90-54792
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 11-24] [Pigmentation TGLS = 11-24]		Erosion Pigmentation	Minimal Focal, Minimal
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland Note: CARCINOMA IS ON SLIDE #1 AND #1-1.		Carcinoma	

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 9

SEX: Male

DAY ON TEST: 410

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Colon		Carcinoma	Multiple
[Carcinoma TGLS = 2-21, 3-22]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Congestion	Mild
		Fatty Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Hyperplasia	Moderate
* Lymph Node, Mandibular			
[Hyperplasia TGLS = 4-8]			
* Pancreas		Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-23]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 9

SEX: Male

DAY ON TEST: 521

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 6-10, 6-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10, 6-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Minimal Mild Moderate
[Degeneration TGLS = 7-5]			
[Nephropathy TGLS = 7-5, 8-5]			
* Liver	Centrilobular Bile Duct Hepatocyte	Atrophy Eosinophilic Focus Hyperplasia Hyperplasia Leukemia Mononuclear	Mild Marked Mild Multifocal, Moderate
[Hyperplasia TGLS = 10-23, 14-27, 9-22]			
[Hyperplasia TGLS = 10-23, 14-27, 9-22]			
* Lung		Metaplasia Squamous Cell Carcinoma	Osseous, Minimal
[Squamous Cell Carcinoma TGLS = 12-2-1]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-8, 5-26]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 9

SEX: Male

DAY ON TEST: 521

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54910

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 1-8, 5-26]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 1-8, 5-26]		Leukemia Mononuclear	
* Pancreas Duct		Dilatation	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Seminal Vesicle		Hyperplasia	Mild
* Skin [Squamous Cell Papilloma TGLS = 13-25]		Squamous Cell Papilloma	
* Spleen [Fibrosis TGLS = 4-21] [Leukemia Mononuclear TGLS = 3-6]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland Tongue [Squamous Cell Papilloma TGLS = 11-24]	C Cell	Hyperplasia Squamous Cell Papilloma	Minimal

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 9

SEX: Male

DAY ON TEST: 513

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Stomach, Forestomach

OBSERVATIONS

* Intestine Large, Colon [Polyp Adenomatous TGLS = 6-23]		Polyp Adenomatous	
* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy	Mild Mild
* Liver	Bile Duct	Hematopoietic Cell Proliferation Hyperplasia Infiltration Cellular Inflammation	Minimal Minimal Mixed Cell, Mild Focal, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular [Hyperplasia TGLS = 2-8]		Hyperplasia	Marked
Mesentery	Fat	Mesothelioma Malignant Necrosis	Mild
Note: MESOTHELIOMA IS ON SLIDE #7-1. [Necrosis TGLS = 3-21]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinar Cell Acinar Cell	Adenoma Hyperplasia	Focal, Moderate
[Adenoma TGLS = 5-22] [Hyperplasia TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 9

SEX: Male

DAY ON TEST: 513

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54851

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 10-1]			
* Preputial Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-8-1]			
* Prostate		Inflammation	Suppurative, Mild
* Skin		Inflammation	Chronic, Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 4-7]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-24]			
Zymbal's Gland		Adenoma	
		Carcinoma	
[Adenoma TGLS = 9-43]			
[Carcinoma TGLS = 8-26, 8-43]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 9

SEX: Male

DAY ON TEST: 388

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-52867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Minimal
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 2-3]		

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 9

SEX: Male

DAY ON TEST: 704

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Congestion TGLS = 6-10]		Congestion	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-26, 14-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-24, 16-3-1, 2-8]			
[Leukemia Mononuclear TGLS = 11-24, 16-3-1, 2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-24, 16-3-1, 2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-24, 16-3-1, 2-8]			
Mesentery		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 9

SEX: Male

DAY ON TEST: 704

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-57999

ORGAN AND ACCOUNTABLE SITE STATUS

		Mesothelioma Malignant	
[Leukemia Mononuclear TGLS = 12-25]			
* Pancreas	Acinar Cell	Atrophy Hyperplasia Leukemia Mononuclear	Focal, Mild Focal, Minimal
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Adenoma Degeneration	Cystic, Marked
[Adenoma TGLS = 1-21]			
* Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
[Fibrosis TGLS = 8-22]			
[Leukemia Mononuclear TGLS = 7-6, 9-23, 10-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7, 4-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 9

SEX: Male

DAY ON TEST: 625

DOSE: 2.00%

DISP: Natural Death

HISTO: 91-58000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7-1]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Necrosis	Focal, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Edema	Mild
	Mediastinal	Pigmentation	Moderate
[Edema TGLS = 12-3-1]			
[Pigmentation TGLS = 12-3-1]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-23]			
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 13-1]			
* Preputial Gland		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 9

SEX: Male

DAY ON TEST: 625

DOSE: 2.00%

DISP: Natural Death

HISTO: 91-58000

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 3-8-1]

* Prostate Inflammation Suppurative, Mild

Skeletal Muscle Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 9-24, 10-25]

* Skin Hyperkeratosis Focal, Moderate

Epidermis Hyperplasia Focal, Mild

Squamous Cell Papilloma

[Hyperkeratosis TGLS = 1-21]

[Hyperplasia TGLS = 1-21]

[Squamous Cell Papilloma TGLS = 1-21]

* Spleen Fibrosis Focal, Moderate

Hematopoietic Cell Proliferation Moderate

Adenoma

* Testes Bilateral, Interstit Cell

[Adenoma TGLS = 5-7]

* Thyroid Gland Follicular Cel Hyperplasia Mild

[Hyperplasia TGLS = 11-3]

Tissue NOS Scrotal Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 7-22]

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 9

SEX: Male

DAY ON TEST: 513

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone		Hyperostosis	Minimal
[Hyperostosis TGLS = 6-23]			
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 4-21]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Inflammation	Focal, Minimal
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8-1]			
* Seminal Vesicle		Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Intestine Large, Colon Polyp Adenomatous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 9

SEX: Male

DAY ON TEST: 471

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Infiltration Cellular	Mixed Cell, Moderate
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Seminal Vesicle		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 1-21]	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-7]	
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 9

SEX: Male

DAY ON TEST: 579

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Focal Cellular Change	Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-7, 3-7-1]			
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Intestine Small, Jejunum		Diverticulum	Moderate
	Mucosa	Hyperplasia	Cystic, Moderate
		Metaplasia	Osseous, Focal, Mild
[Diverticulum TGLS = 7-23]			
[Hyperplasia TGLS = 7-23]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 8-24]			
* Lymph Node, Mesenteric		Edema	Moderate
		Leukemia Mononuclear	
[Edema TGLS = 6-5]			
[Leukemia Mononuclear TGLS = 6-5]			
Mesentery		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 9

SEX: Male

DAY ON TEST: 579

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55414

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 4-21]

* Pancreas Acinar Cell Hyperplasia Focal, Minimal

* Pituitary Gland Pars Distalis Adenoma

[Adenoma TGLS = 9-1]

* Preputial Gland Degeneration Cystic, Mild

* Prostate Inflammation Suppurative, Minimal

* Seminal Vesicle Hyperplasia Minimal

* Spleen Leukemia Mononuclear

* Testes Bilateral, Interstit Cell Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland C Cell Hyperplasia Minimal

Tissue NOS Scrotal Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 5-22]

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Diverticulum

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 9

SEX: Male

DAY ON TEST: 439

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Small, Ileum		Inflammation Ulcer	Chronic, Focal, Moderate Moderate
* Kidney	Papilla Epithelium, Papilla	Degeneration Hyperplasia Nephropathy	Minimal Minimal Mild
* Liver		Inflammation	Focal, Minimal
* Lymph Node, Mesenteric		Edema Hyperplasia	Marked Mild
[Edema TGLS = 3-23]			
* Pancreas	Acinar Cell	Atrophy Hyperplasia	Focal, Minimal Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
* Seminal Vesicle		Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-21, 1-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 9

SEX: Male

DAY ON TEST: 396

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-52894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Fatty Change	Mild
Mesentery		Mesothelioma Malignant	
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinar Cell	Focal Cellular Change	Mild
	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
Skeletal Muscle		Hemangiosarcoma	
	[Hemangiosarcoma TGLS = 3-22]		
* Spleen		Fibrosis	Focal, Mild
		Hematopoietic Cell Proliferation	Moderate
	[Fibrosis TGLS = 2-21]		
	[Hematopoietic Cell Proliferation TGLS = 1-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 9

SEX: Male

DAY ON TEST: 592

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 11-26]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Minimal
[Compression TGLS = 10-1]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 7-24]			
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1]			
[Leukemia Mononuclear TGLS = 8-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 9

SEX: Male

DAY ON TEST: 592

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55623

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 3-23]		Fibroadenoma	
* Pancreas	Acinar Cell	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Keratoacanthoma	
		Sarcoma	
	[Basal Cell Adenoma TGLS = 2-22]		
	[Keratoacanthoma TGLS = 1-21]		
	[Sarcoma TGLS = 9-25]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 9

SEX: Male

DAY ON TEST: 425

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Marked
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-22]		
Mesentery		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Squamous Cell Papilloma	
	Note: THIS TUMOR CONTAINS ABUNDANT SEBACEOUS CELLS.		
	[Squamous Cell Papilloma TGLS = 4-23]		
* Spleen		Fibrosis	Focal, Mild
		Hematopoietic Cell Proliferation	Moderate
	[Fibrosis TGLS = 2-21]		
	[Hematopoietic Cell Proliferation TGLS = 1-6]		
* Stomach, Forestomach	Mucosa	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-24]		

PRIMARY CAUSE OF DEATH - Skin Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 9

SEX: Male

DAY ON TEST: 703

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-58001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-7-1]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Minimal
	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	Moderate
[Mixed Cell Focus TGLS = 6-23]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
Mesentery		Mesothelioma Malignant	
* Pancreas	Acinar Cell	Atrophy	Focal, Mild
	Palate	Hyperplasia	Focal, Mild
Pharynx		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-24]			
* Pituitary Gland		Cyst	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 9

SEX: Male

DAY ON TEST: 703

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-58001

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-8-1]

* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 3-7]

* Thyroid Gland	Follicular Cel C Cell	Carcinoma Hyperplasia	Minimal
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[Carcinoma TGLS = 7-3]

Tissue NOS	Scrotal	Mesothelioma Malignant	
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[Mesothelioma Malignant TGLS = 5-22]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 9

SEX: Male

DAY ON TEST: 530

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-2-1]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
* Pancreas	Acinar Cell	Hyperplasia	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-22, 3-22-1]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 9

SEX: Male

DAY ON TEST: 572

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-7-1]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6, 11-23]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-2, 13-2]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7, 6-7]			
[Leukemia Mononuclear TGLS = 6-7, 6-7]			
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 9

SEX: Male

DAY ON TEST: 572

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-55347

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-7]

Mesentery

Leukemia Mononuclear
Mesothelioma Malignant

[Leukemia Mononuclear TGLS = 4-21]

[Mesothelioma Malignant TGLS = 4-21]

* Pancreas

Acinar Cell

Hyperplasia
Degeneration

Focal, Minimal
Cystic, Mild

* Preputial Gland

[Degeneration TGLS = 2-8-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-6, 8-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 9

SEX: Male

DAY ON TEST: 621

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-58002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
Coagulating Gland		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-7-1]			
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-24]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-25, 13-3-1, 5-7, 1-8, 9-23]			
[Leukemia Mononuclear TGLS = 11-25, 13-3-1, 5-7, 1-8, 9-23]			
[Leukemia Mononuclear TGLS = 11-25, 13-3-1, 5-7, 1-8, 9-23]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 9

SEX: Male

DAY ON TEST: 621

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 91-58002

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-25, 13-3-1, 5-7, 9-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-25, 13-3-1, 5-7, 1-8]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA IS OF THE ACIDOPHILIC TYPE.			
[Adenoma TGLS = 14-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 4-8-1]			
* Seminal Vesicle		Hyperplasia	Minimal
* Skin		Keratoacanthoma	
		Squamous Cell Papilloma	
[Keratoacanthoma TGLS = 2-21]			
[Squamous Cell Papilloma TGLS = 12-26-1]			
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-22]			
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 15-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Dilatation	Mild
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 9

SEX: Male

DAY ON TEST: 527

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 7-24]			
* Bone Marrow		Hypercellularity	Moderate
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-23]			
* Preputial Gland		Degeneration	Cystic, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 9

SEX: Male

DAY ON TEST: 527

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-54912

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pharynx Palate Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 9

SEX: Male

DAY ON TEST: 365

DOSE: 2.00%

DISP: Moribund Sacrifice

HISTO: 90-52642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Necrosis	Focal, Mild
		Squamous Cell Carcinoma	Metastatic (Lung)
* Bone Marrow		Necrosis	Focal, Mild
* Brain		Squamous Cell Carcinoma	Metastatic (Lung)
* Heart		Squamous Cell Carcinoma	Metastatic (Lung)
	[Squamous Cell Carcinoma TGLS = 7-5, 8-5-1]		
* Intestine Large, Rectum		Polyp Adenomatous	
	[Polyp Adenomatous TGLS = 6-23]		
* Intestine Small, Duodenum		Squamous Cell Carcinoma	Metastatic (Lung)
* Intestine Small, Ileum		Squamous Cell Carcinoma	Metastatic (Lung)
* Kidney	Papilla	Degeneration	Minimal
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
		Squamous Cell Carcinoma	Metastatic (Lung)
	[Squamous Cell Carcinoma TGLS = 3-5, 4-21]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 9-2-1]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 10-3]		
Mesentery		Mesothelioma Malignant	
* Pancreas		Squamous Cell Carcinoma	Metastatic (Lung)
* Preputial Gland		Degeneration	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 310	TRT#: 9 DOSE: 2.00%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 365 HISTO: 90-52642
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate [Inflammation TGLS = 2-7-2]		Inflammation	Suppurative, Moderate
Skeletal Muscle [Squamous Cell Carcinoma TGLS = 5-22]		Squamous Cell Carcinoma	Metastatic (Lung)
* Testes	Bilateral, Interstit Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Lung Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Kidney	Papilla	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Preputial Gland		Degeneration	Cystic, Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lung
* Nose
* Prostate
* Spleen
* Thymus

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mandibular
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Kidney
* Lymph Node, Mesenteric
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Liver
* Mammary Gland
* Pituitary Gland
* Skin
* Testes

OBSERVATIONS

* Adrenal Cortex
* Preputial Gland

Accessory Adrenal Cortical Nodule
Degeneration
Inflammation
Hyperplasia

Mild
Cystic, Mild
Chronic, Mild
Minimal

* Urinary Bladder

Transit Epithe

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 1-3-1]			
* Preputial Gland		Degeneration	Cystic, Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney	Papilla	Degeneration	Minimal
* Prostate		Inflammation	Suppurative, Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney	Papilla	Degeneration	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Kidney	Papilla	Degeneration	Minimal
* Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

- * Adrenal Medulla
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Skin
- * Testes

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Pituitary Gland
- * Spleen
- * Thymus

- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Nose
- * Salivary Glands
- * Stomach, Forestomach
- * Thyroid Gland

OBSERVATIONS

- * Kidney
- * Liver
- * Preputial Gland
- * Prostate
- * Urinary Bladder

Papilla

Transit Epithe

- Degeneration
- Fatty Change
- Degeneration
- Inflammation
- Hyperplasia

- Minimal
- Minimal
- Cystic, Mild
- Suppurative, Mild
- Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 2.00%

DISP: Scheduled Sacrifice

HISTO: 89-50203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Kidney	Papilla	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Preputial Gland		Degeneration	Cystic, Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Heart

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 8-22]			
* Brain		Compression	Moderate
[Compression TGLS = 5-1-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Focal Cellular Change TGLS = 7-21]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-3-1]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-3]			
* Uterus	Endometrium	Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58053

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-7-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-577822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 5-1]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 3-23]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 6-10]			
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 10-9, 10-9-2, 11-23]			
* Brain		Compression Leukemia Mononuclear	Mild
[Compression TGLS = 14-1-1]			
[Leukemia Mononuclear TGLS = 12-1, 13-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver	Centrilobular	Atrophy Fatty Change	Moderate Moderate
	Hepatocyte	Hyperplasia Leukemia Mononuclear	Multifocal, Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58054

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-24, 9-3-1, 8-22]		
[Leukemia Mononuclear TGLS = 4-24, 9-3-1, 8-22]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-24, 9-3-1, 8-22]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-24, 9-3-1, 8-22]		
* Mammary Gland	Carcinoma	
	Hyperplasia	Mild
[Carcinoma TGLS = 3-21]		
[Hyperplasia TGLS = 1-8]		
Mesentery	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma
		Leukemia Mononuclear
[Adenoma TGLS = 15-1]		
[Leukemia Mononuclear TGLS = 15-1]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]		
* Thymus	Leukemia Mononuclear	
* Uterus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Focal Cellular Change TGLS = 4-22]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Fibrosis	Focal, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
[Angiectasis TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

Animal Note: PHEOCHROMOCYTOMA HAS GANGLIONEUROMATOUS AREA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Lymph Node	Inguinal	Hyperplasia	Moderate
* Mammary Gland		Carcinoma	
		Dilatation	Mild
		Fibroadenoma	
		[Carcinoma TGLS = 1-21]	
		[Fibroadenoma TGLS = 2-22]	
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mesenteric
* Pancreas
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Bone
* Heart
* Intestine Small, Duodenum
* Lung
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Ovary
* Skin
* Thymus
* Uterus

OBSERVATIONS

* Clitoral Gland
* Kidney
* Liver

Bile Duct

* Pituitary Gland

Pars Distalis

Degeneration
Nephropathy
Focal Cellular Change
Hyperplasia
Inflammation
Adenoma
Cyst

Cystic, Moderate
Minimal
Mild
Mild
Focal, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 2

SEX: Female

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 8-10, 8-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-10, 8-10]			
* Bone Marrow		Hypercellularity Myelofibrosis	Mild Mild
* Brain		Hemorrhage Leukemia Mononuclear	Mild
[Hemorrhage TGLS = 12-1]			
[Leukemia Mononuclear TGLS = 12-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy Fatty Change	Moderate Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia Leukemia Mononuclear	Multifocal, Mild
[Leukemia Mononuclear TGLS = 9-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 2

SEX: Female

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58059

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 10-5]

Leukemia Mononuclear

* Mammary Gland

[Carcinoma TGLS = 2-21]

[Dilatation TGLS = 3-8]

[Fibroadenoma TGLS = 4-22]

Carcinoma

Dilatation

Fibroadenoma

Mild

* Spleen

[Leukemia Mononuclear TGLS = 6-6]

[Necrosis TGLS = 7-23]

Leukemia Mononuclear

Necrosis

Focal, Moderate

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 2

SEX: Female

DAY ON TEST: 460

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Lymphoid, Mild
* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland	Bilateral	Adenoma	
		Degeneration	Cystic, Marked
	[Adenoma TGLS = 2-21, 3-22]		
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
* Mammary Gland		Dilatation	Mild
	[Dilatation TGLS = 1-8]	Hyperplasia	Minimal
* Ovary	Corpus Luteum	Hyperplasia	Lymphoid, Minimal
	Corpus Luteum, Thecal Cell	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 5-6]		

PRIMARY CAUSE OF DEATH

- Clitoral Gland Bilateral Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 2

SEX: Female

DAY ON TEST: 516

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Focal Cellular Change	Minimal
* Clitoral Gland	Degeneration	Cystic, Mild
* Kidney	Nephropathy	Minimal
* Liver	Focal Cellular Change	Minimal
* Mammary Gland	Dilatation	Mild
	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Angiectasis	Mild
* Uterus	Hydrometra	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 2

SEX: Female

DAY ON TEST: 481

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
[Histiocytic Sarcoma TGLS = 1-8-1]		Histiocytic Sarcoma	
* Heart	Pericardium	Histiocytic Sarcoma	
* Intestine Large, Cecum		Histiocytic Sarcoma	
* Lung	Mediastinum	Histiocytic Sarcoma	
		Histiocytic Sarcoma	
Lymph Node	Inguinal	Histiocytic Sarcoma	
		Histiocytic Sarcoma	
Note: TGL #5 involves the gluteal lymph node.			
[Histiocytic Sarcoma TGLS = 5-23]			
* Lymph Node, Mandibular		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Salivary Glands		Histiocytic Sarcoma	
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-22]			
* Skin	Subcut Tiss	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-21]			
* Stomach, Glandular		Histiocytic Sarcoma	
* Thyroid Gland		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 2

SEX: Female

DAY ON TEST: 481

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 90-54788

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Histiocytic Sarcoma

[Histiocytic Sarcoma TGLS = 3-8]

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Histiocytic Sarcoma

Animal Note: TGL #5 IS GLUTEAL LYMPH NODE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 2

SEX: Female

DAY ON TEST: 633

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 3-1, 3-1-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
* Mammary Gland		Dilatation	Moderate
		Hyperplasia	Mild
[Dilatation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 2-21]			
* Mammary Gland		Dilatation	Mild
		Hyperplasia	Mild
* Pancreas		Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 3-8]		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Mammary Gland [Dilatation TGLS = 2-8] [Fibroadenoma TGLS = 1-21]		Dilatation	Mild
		Fibroadenoma	
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland [Angiectasis TGLS = 5-1]	Pars Distalis	Angiectasis	Moderate
		Focal Cellular Change	Moderate
* Uterus [Polyp Stromal TGLS = 4-7]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex	Focal Cellular Change	Mild
* Bone	Hyperostosis	Minimal
[Hyperostosis TGLS = 7-25]		
* Clitoral Gland	Adenoma	
[Adenoma TGLS = 2-8]	Inflammation	Chronic, Marked
[Inflammation TGLS = 2-8]		
* Intestine Large, Colon	Parasite Metazoan	Minimal
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	Mild
[Basophilic Focus TGLS = 6-24]	Focal Cellular Change	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-23]	Hepatodiaphragmatic Nodule	Mild
* Mammary Gland	Dilatation	Moderate
[Dilatation TGLS = 1-8]	Fibroadenoma	
[Fibroadenoma TGLS = 3-21]		
Mesentery	Accessory Spleen	Mild
[Accessory Spleen TGLS = 4-22]		
* Pituitary Gland	Angiectasis	Moderate
[Angiectasis TGLS = 8-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58063

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Epidermis

Hyperkeratosis

Focal, Minimal

Hyperplasia

Focal, Minimal

[Hyperkeratosis TGLS = 9-26]

[Hyperplasia TGLS = 9-26]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Focal Cellular Change	Mild
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 3-23]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 2-22]			
* Mammary Gland		Dilatation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Moderate
* Brain		Compression	Mild
[Compression TGLS = 4-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 5-21]			
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-1]			
* Thyroid Gland		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Fatty Change TGLS = 4-24]			
[Leukemia Mononuclear TGLS = 3-23]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 7-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57785

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-6, 2-22]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 2

SEX: Female

DAY ON TEST: 624

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain [Compression TGLS = 4-1-1]		Compression	Marked
* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [Carcinoma TGLS = 1-21, 2-8]		Carcinoma	Multiple
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Spleen		Angiectasis	Moderate
		Fibrosis	Focal, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
[Focal Cellular Change TGLS = 2-22]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 7-23]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8, 2-8]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
[Angiectasis TGLS = 5-22]			
[Focal Cellular Change TGLS = 5-22, 6-6]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Dilatation TGLS = 4-8]			
[Fibroadenoma TGLS = 3-21]			
* Pituitary Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-22, 4-6]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7, 8-23]		
	[Leukemia Mononuclear TGLS = 5-7, 8-23]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7, 8-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7, 8-23]		
* Mammary Gland		Dilatation	Mild
Mesentery		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344	TRT#: 2	SEX: Female	DAY ON TEST: 740
	DOSE: UNTREATD CONTROL	DISP: Terminal Sacrifice	HISTO: 91-57787

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6, 1-21]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-5]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-5]	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
		[Dilatation TGLS = 1-21]	
		[Fibroadenoma TGLS = 2-21, 3-22]	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
		[Necrosis TGLS = 10-24]	
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57788

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 4-23]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Minimal
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 2

SEX: Female

DAY ON TEST: 696

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-21]			
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
		Carcinoma	Metastatic (Islets, Pancreatic), Multiple (Islets, Pancreatic)
		Fatty Change	Moderate
[Carcinoma TGLS = 2-6]		Leukemia Mononuclear	
* Lung		Carcinoma	Metastatic (Islets, Pancreatic), Multiple (Islets, Pancreatic)
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
[Fibroadenoma TGLS = 4-22]			
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 2

SEX: Female

DAY ON TEST: 696

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58068

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Marked
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Minimal
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pancreas		Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 2-21]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 2

SEX: Female

DAY ON TEST: 689

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 5-22]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	Mild
[Focal Cellular Change TGLS = 3-6]		Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]			
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 4-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 2

SEX: Female

DAY ON TEST: 740

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-3-1, 2-5]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 3-3-1, 2-5]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
Eye		Atrophy	Moderate
		Cataract	Moderate
		Fibrosis	Mild
		Synechia	Moderate
[Atrophy TGLS = 1-21]			
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 3-6]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 4-1]			
* Thymus		Cyst	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Histiocytic, Mild
		Hyperplasia	Lymphoid, Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Focal Cellular Change	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 7-3-1]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 3-22, 4-23]			
* Ovary	Corpus Luteum	Hyperplasia	Lymphoid, Moderate
	Corpus Luteum, Thecal Cell	Hyperplasia	Moderate
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 8-1]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57772

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Endometrium

Polyp Stromal

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration Inflammation	Cystic, Mild Chronic, Marked
[Degeneration TGLS = 3-8]			
[Inflammation TGLS = 2-8]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 7-22]			
[Hepatodiaphragmatic Nodule TGLS = 8-23]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 9-3-1]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 4-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 10-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 6-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58072

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 2

SEX: Female

DAY ON TEST: 654

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
[Angiectasis TGLS = 9-10]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 2-8]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-5, 8-7, 13-3-1, 12-22, 4-8, 9-3-1]			
[Leukemia Mononuclear TGLS = 11-5, 8-7, 13-3-1, 12-22, 4-8, 9-3-1]			
[Leukemia Mononuclear TGLS = 11-5, 8-7, 13-3-1, 12-22, 4-8, 9-3-1]			
[Leukemia Mononuclear TGLS = 11-5, 8-7, 13-3-1, 12-22, 4-8, 9-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-5, 8-7, 13-3-1, 12-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354	TRT#: 2	SEX: Female	DAY ON TEST: 654
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-58073

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-5, 8-7, 13-3-1, 12-22]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 3-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-21]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Thymus		Leukemia Mononuclear	
* Uterus	Endometrium	Inflammation	Mild
[Inflammation TGLS = 6-7-1]			
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Minimal
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 1-21]		Carcinoma	
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-22]		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hypercellularity	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 5-1-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Inflammation	Suppurative, Chronic, Minimal
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Multifocal, Mild
[Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 2-8]		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57774

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Oligodendroglioma Nos	
[Oligodendroglioma Nos TGLS = 3-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
[Fatty Change TGLS = 1-6]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-1]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Nos

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone Marrow		Hypercellularity	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hepatodiaphragmatic Nodule	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-22]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Mammary Gland		Dilatation	Mild
	[Dilatation TGLS = 2-8]		
* Ovary		Granulosa Cell Tumor Benign	
	[Granulosa Cell Tumor Benign TGLS = 4-7]		
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-21]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 2

SEX: Female

DAY ON TEST: 690

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 4-22]			
* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
[Focal Cellular Change TGLS = 5-23]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-21]			
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Ulcer	Multiple, Mild
[Ulcer TGLS = 8-4-1, 9-24]			
* Stomach, Glandular		Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361	TRT#: 2	SEX: Female	DAY ON TEST: 690
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-58076

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Polyp Stromal
[Polyp Stromal TGLS = 3-7]		

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 5-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 4-23]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland	Adenoma	
[Adenoma TGLS = 4-8]		
* Kidney	Nephropathy	Minimal
* Liver	Focal Cellular Change	Minimal
* Mammary Gland	Dilatation	Mild
	Fibroadenoma	Multiple
[Dilatation TGLS = 5-8]		
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]		
* Pancreas	Atrophy	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
		Dilatation	Mild
* Mammary Gland [Dilatation TGLS = 1-8]			
* Pituitary Gland [Adenoma TGLS = 2-1]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
[Focal Cellular Change TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 7-5, 8-3-1]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 7-5, 8-3-1]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 4-8]			
[Fibroadenoma TGLS = 1-21, 3-22]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Focal, Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 3-8]		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
Lymph Node [Hemorrhage TGLS = 4-3-1]	Mediastinal	Hemorrhage	Mild
* Mammary Gland [Dilatation TGLS = 2-8] [Fibroadenoma TGLS = 1-21]		Dilatation Fibroadenoma	Minimal
* Ovary		Cyst	Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Squamous Cell Papilloma TGLS = 6-22]		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 2

SEX: Female

DAY ON TEST: 696

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO: 91-58078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
Eye	Retina	Cataract	Moderate
[Cataract TGLS = 1-21]		Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Fibrosis	Focal, Mild
		Hyperplasia	Moderate
		Hyperplasia	Macrophage, Focal, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3-1]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 367	TRT#: 2	SEX: Female	DAY ON TEST: 696
	DOSE: UNTREATD CONTROL	DISP: Moribund Sacrifice	HISTO: 91-58078

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-22, 4-23]			
* Pancreas		Accessory Spleen Atrophy	Mild Focal, Minimal
[Accessory Spleen TGLS = 6-24]			
* Pituitary Gland		Angiectasis Cyst	Mild Moderate
[Angiectasis TGLS = 10-1]			
[Cyst TGLS = 11-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Uterus	Endometrium	Cyst	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-57781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Polyp Stromal	Multiple
[Polyp Stromal TGLS = 2-22, 3-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
[Focal Cellular Change TGLS = 3-6]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pituitary Gland		Angiectasis	Moderate
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 2

SEX: Female

DAY ON TEST: 739

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: 91-58080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Brain	* Nose	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
Eye		Atrophy	Moderate
		Cataract	Moderate
	Retina	Degeneration	Marked
	[Atrophy TGLS = 1-21]		
	[Cataract TGLS = 1-21]		
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Dilatation	Mild
		Hyperplasia	Minimal
* Pancreas		Atrophy	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Focal, Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate

[Angiectasis TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
* Bone	Hyperostosis	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	Mild
	Inflammation	Focal, Mild
[Hepatodiaphragmatic Nodule TGLS = 2-22]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Angiectasis	Mild
[Angiectasis TGLS = 3-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Ovary
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Bone
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Nose
* Skin
* Thymus
* Uterus

OBSERVATIONS

* Clitoral Gland
* Kidney
* Pancreas
* Pituitary Gland

Degeneration
Nephropathy
Atrophy
Angiectasis

Cystic, Minimal
Minimal
Focal, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Liver		Inflammation	Focal, Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Pituitary Gland

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-8]		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Bone

* Bone Marrow

* Brain

* Esophagus

* Heart

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Islets, Pancreatic

* Kidney

* Lung

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Mammary Gland

* Nose

* Ovary

* Parathyroid Gland

* Salivary Glands

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Thymus

* Thyroid Gland

* Trachea

* Urinary Bladder

* Uterus

OBSERVATIONS

* Clitoral Gland

Degeneration

Cystic, Minimal

* Liver

Inflammation

Focal, Minimal

* Pancreas

Atrophy

Focal, Minimal

* Pituitary Gland

Cyst

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Dilatation	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland	Degeneration	Cystic, Minimal
	Hyperplasia	Mild
* Kidney	Nephropathy	Minimal
* Liver	Focal Cellular Change	Minimal
	Inflammation	Focal, Minimal
* Mammary Gland	Dilatation	Minimal
* Pancreas	Atrophy	Focal, Minimal
* Pituitary Gland	Angiectasis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mesenteric
* Pancreas
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Bone
* Heart
* Intestine Small, Duodenum
* Lung
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Ovary
* Skin
* Thymus
* Uterus

OBSERVATIONS

* Clitoral Gland
* Kidney
* Liver

* Pituitary Gland

Degeneration
Nephropathy
Eosinophilic Focus
Focal Cellular Change
Angiectasis

Cystic, Minimal
Minimal
Moderate
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Scheduled Sacrifice

HISTO: 90-54585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Focal, Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Minimal

[Hydrometra TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 9-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 4-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-10]		
* Adrenal Medulla		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-10]		
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
	[Compression TGLS = 16-1-1]		
* Clitoral Gland		Degeneration	Cystic, Mild
	[Degeneration TGLS = 2-8]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 13-28]		
	[Leukemia Mononuclear TGLS = 8-26, 9-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 15-2-1]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57756

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-27, 11-7, 14-3-1]			
[Leukemia Mononuclear TGLS = 10-27, 11-7, 14-3-1]			
[Leukemia Mononuclear TGLS = 10-27, 11-7, 14-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-27, 11-7, 14-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-27, 11-7, 14-3-1]			
* Mammary Gland		Adenoma	
		Dilatation	Moderate
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Adenoma TGLS = 4-22]			
[Dilatation TGLS = 3-8, 4-22]			
[Fibroadenoma TGLS = 5-23, 6-24]			
[Hyperplasia TGLS = 3-8]			
* Parathyroid Gland		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 17-1]			
* Skin		Alopecia	Moderate
[Alopecia TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6, 7-25]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 460

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Degeneration	Cystic, Minimal
* Kidney	Nephropathy	Minimal
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Cyst	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 695

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-8]			
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 11-27]			
* Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Moderate
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 5-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 6-24, 7-25]			
* Ovary		Cyst	Minimal
* Pituitary Gland		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 384	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 695 HISTO: 91-58464
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ORGAN AND ACCOUNTABLE SITE STATUS			
[Hyperplasia TGLS = 12-1]	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Congestion Leukemia Mononuclear	Moderate
[Congestion TGLS = 9-26]			
[Leukemia Mononuclear TGLS = 8-6]			

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Atrophy	Focal, Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-1]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 656

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Brain		Compression	Marked
[Compression TGLS = 7-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Minimal
[Degeneration TGLS = 1-8]			
* Kidney		Nephropathy	Mild
* Liver		Developmental Malformation	Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
[Developmental Malformation TGLS = 5-6]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-8, 3-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 3-23]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-8, 2-22]			
* Ovary		Angiectasis	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Inflammation	Chronic, Focal, Mild

Note: Inflammation involves lip.

[Fibroma TGLS = 1-21]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 5-6]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
* Nose		Inflammation	Suppurative, Mild
Pharynx	Palate	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-9]			
* Pituitary Gland	Pars Distalis	Pigmentation	Minimal
[Pigmentation TGLS = 7-1]			
* Stomach, Forestomach		Edema	Moderate
	Mucosa	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
		Ulcer	Mild
[Ulcer TGLS = 8-24]			
* Stomach, Glandular		Edema	Moderate

PRIMARY CAUSE OF DEATH - Pharynx Palate Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 4-2-1]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Angiectasis TGLS = 5-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
Note: Lesion is squamous papilloma of clitoral gland duct; term not in neoplastic morphologies list. [Adenoma TGLS = 3-22]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
		Dilatation	Marked
		Fibroadenoma	
		Hyperplasia	Mild
		Inflammation	Chronic, Marked
[Adenoma TGLS = 5-24]			
[Dilatation TGLS = 1-8, 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 390

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57758

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 4-23]

[Hyperplasia TGLS = 5-24]

[Inflammation TGLS = 5-24]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 10-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-6, 6-25]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 4

SEX: Female

DAY ON TEST: 683

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Minimal
[Hyperostosis TGLS = 12-29]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
[Focal Cellular Change TGLS = 11-28]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Mammary Gland		Dilatation	Marked
		Fibroadenoma	Multiple
[Dilatation TGLS = 14-8]			
[Fibroadenoma TGLS = 3-23, 4-24, 6-26]			
* Pancreas		Accessory Spleen	Mild
[Accessory Spleen TGLS = 8-27]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 13-1]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 391	TRT#: 4	SEX: Female	DAY ON TEST: 683
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 91-58469

ORGAN AND ACCOUNTABLE SITE STATUS

	Subcut Tiss	Lipoma	
[Fibroma TGLS = 2-22]			
[Lipoma TGLS = 5-25]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 0.25%

DISP: Natural Death

HISTO: 91-58470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-3-1]		
	[Leukemia Mononuclear TGLS = 6-7]		
* Lymph Node, Mandibular		Hemorrhage	Mild
	[Hemorrhage TGLS = 2-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
		Hyperplasia	Mild
	[Dilatation TGLS = 1-8]		
	[Fibroadenoma TGLS = 3-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 392	TRT#: 4 DOSE: 0.25%	SEX: Female DISP: Natural Death	DAY ON TEST: 680 HISTO: 91-58470
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Hyperplasia TGLS = 11-1]	Pars Distalis	Cyst Hyperplasia	Mild Focal, Moderate
* Spleen [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Stomach, Glandular [Pigmentation TGLS = 8-4]		Erosion Pigmentation	Minimal Focal, Minimal
* Thymus		Leukemia Mononuclear	
* Uterus [Leukemia Mononuclear TGLS = 4-7]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Brain		Compression	Marked
[Compression TGLS = 10-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Marked
[Degeneration TGLS = 1-8]			
[Inflammation TGLS = 2-8]			
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 7-6]			
* Lung	Pleura	Inflammation	Chronic, Focal, Mild
[Inflammation TGLS = 9-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 8-3-1]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 4-21, 5-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 393

TRT#: 4
DOSE: 0.25%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 739
HISTO: 91-57759

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 11-1]

Pars Distalis

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Focal Cellular Change	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 7-1]			
[Cyst TGLS = 6-1]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 2-22]			
* Mammary Gland		Dilatation	Marked
		Hyperplasia	Mild
[Dilatation TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
* Thymus		Cyst	Mild
		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 4-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 4

SEX: Female

DAY ON TEST: 719

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Focal Cellular Change	Mild
* Brain		Compression	Moderate
[Compression TGLS = 4-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 2-8]		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 4

SEX: Female

DAY ON TEST: 709

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 5-24]			
* Brain		Compression	Marked
[Compression TGLS = 7-1, 7-1-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 4-23]			
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 3-23]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-22]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 3-23]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Atrophy	Focal, Mild
		Nephropathy	Mild
* Liver		Focal Cellular Change	Moderate
[Focal Cellular Change TGLS = 5-24]			
* Mammary Gland		Dilatation	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		Cyst	Mild

Note: Cells of adenoma are very pleomorphic.

[Angiectasis TGLS = 4-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 401

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 8-1-1]			
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 11-28]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 4-24]			
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 5-25, 6-26]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 7-7]			
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 10-27]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 10-25]			
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 2-8-1]			
[Degeneration TGLS = 1-8-1]			
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 8-3-1]			
* Mammary Gland		Dilatation	Minimal
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 4-21, 5-22, 9-24]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-23]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Tongue	Epithelium	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 7-26]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 2-22]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Mammary Gland		Carcinoma	
		Dilatation	Minimal
[Carcinoma TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Ovary | * Parathyroid Gland | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | * Uterus | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------|-------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Degeneration | Cystic, Moderate |
| | | Inflammation | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| [Degeneration TGLS = 5-8] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Centrilobular | Atrophy | Moderate |
| | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | Hepatocyte | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 13-2] | | | |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-8] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-25, 11-5] | | | |
| * Mammary Gland | | Dilatation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 404

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58478

ORGAN AND ACCOUNTABLE SITE STATUS

	Fibroadenoma	Multiple
	Hyperplasia	Moderate
	Leukemia Mononuclear	
[Dilatation TGLS = 15-8]		
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 6-24]		
[Leukemia Mononuclear TGLS = 2-21, 3-22, 4-23, 6-24]		
Mesentery	Leukemia Mononuclear	
* Pancreas	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7, 12-25]		
* Pituitary Gland	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-1]		
* Salivary Glands	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]		
* Thymus	Leukemia Mononuclear	
* Thyroid Gland	Leukemia Mononuclear	
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 4

SEX: Female

DAY ON TEST: 697

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Focal Cellular Change	Mild
* Clitoral Gland	Degeneration	Cystic, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Minimal
	Focal Cellular Change	Mild
	Inflammation	Focal, Minimal
	Leukemia Mononuclear	
[Focal Cellular Change TGLS = 3-23]		
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]		
* Spleen	Congestion	Moderate
* Thyroid Gland	C Cell Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
Eye		Cataract	Mild
	Retina	Degeneration	Marked
[Cataract TGLS = 1-21]			
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 8-25]			
* Lung		Congestion	Minimal
[Congestion TGLS = 6-2]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 4-23, 5-24]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-22]			
* Thymus		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57763

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

* Urinary Bladder

Transit Epithe

Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 4

SEX: Female

DAY ON TEST: 684

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 7-6]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 8-5]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Adenoma is acidophil type.			
[Adenoma TGLS = 9-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 7-26, 8-26]			
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
[Focal Cellular Change TGLS = 9-27]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21, 2-22, 4-23, 5-24]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-25]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 4

SEX: Female

DAY ON TEST: 609

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Metaplasia	Osseous, Minimal
		Myelofibrosis	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6-1, 7-6, 8-6-2, 9-6]		
Lymph Node	Inguinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Mammary Gland		Dilatation	Marked
		Fibroadenoma	
		Hyperplasia	Mild

Note: FIBROADENOMA IS ON SLIDE #8.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 4

SEX: Female

DAY ON TEST: 609

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-55835

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 1-21]

Mesentery

Leukemia Mononuclear

* Pancreas

Atrophy

Focal, Mild

* Pituitary Gland

Angiectasis

Mild

[Angiectasis TGLS = 10-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-6]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 411

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 9-27]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Inflammation	Focal, Mild
[Focal Cellular Change TGLS = 7-25]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 5-8]			
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
* Pancreas	Duct	Atrophy	Focal, Mild
	Pars Distalis	Dilatation	Mild
* Pituitary Gland		Adenoma	
		Cyst	Mild
[Adenoma TGLS = 11-1]			
[Cyst TGLS = 12-1]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-26]			
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 411

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57765

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: 0.25%

DISP: Natural Death

HISTO: 91-58482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 13-9, 13-9-2, 14-26]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Focal Cellular Change	Marked
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 11-25]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 12-3-1]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 6-8, 5-23]			
[Fibroadenoma TGLS = 3-21, 4-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 10-24]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 7-7]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: 0.25%

DISP: Natural Death

HISTO: 91-58482

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Inflammation

Suppurative, Mild

[Inflammation TGLS = 8-7, 9-7, 9-7-1]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 4-22]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 10-1-1]			
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 5-24]		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-23]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 9-3]			
* Uterus	Endometrium	Cyst	Mild
[Cyst TGLS = 6-7-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57767

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Marked
		Hyperplasia	Moderate
[Dilatation TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-22]			
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58483

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 7-3]

* Uterus

Endometrium

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 416

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 4

SEX: Female

DAY ON TEST: 701

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 10-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8]		Hyperplasia	Mild
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 7-6]		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 8-25]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 4-22, 5-23, 6-24]		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Moderate
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 4

SEX: Female

DAY ON TEST: 695

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lacrimal Gland	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 5-23]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22]			
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 5-24]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Moderate
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 7-25]			
* Mammary Gland		Dilatation	Marked
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 4

SEX: Female

DAY ON TEST: 738

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 3-23]			
* Pancreas		Atrophy	Focal, Minimal
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Lipoma	
[Fibroma TGLS = 1-21]			
[Lipoma TGLS = 2-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 4

SEX: Female

DAY ON TEST: 738

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24,6-25,7-26]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 9-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 8-27]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 7-24]			
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-5]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 3-21, 4-22]			
* Pancreas		Atrophy	Focal, Mild
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-23]			

PRIMARY CAUSE OF DEATH

- Skin Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 4

SEX: Female

DAY ON TEST: 684

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 12-5]			
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-2]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 20-29]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 4

SEX: Female

DAY ON TEST: 684

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 91-58488

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 16-27]

[Leukemia Mononuclear TGLS = 15-26]

[Leukemia Mononuclear TGLS = 4-22]

[Leukemia Mononuclear TGLS = 3-21]

[Leukemia Mononuclear TGLS = 10-7]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-8]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 14-25]

* Mammary Gland

Dilatation

Mild

Fibroadenoma

Multiple

Hyperplasia

Mild

[Dilatation TGLS = 1-8]

[Fibroadenoma TGLS = 5-23, 6-24, 19-28]

Mesentery

Leukemia Mononuclear

* Ovary

Leukemia Mononuclear

* Pituitary Gland

Cyst

Mild

[Cyst TGLS = 21-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-6]

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-7]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 4

SEX: Female

DAY ON TEST: 404

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 426

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 7-24]		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 4-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-8, 5-23]			
* Pancreas		Atrophy	Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Cyst	Mild
[Cyst TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 5-24]			
* Mammary Gland		Carcinoma	
		Dilatation	Mild
		Fibroadenoma	Multiple
[Carcinoma TGLS = 4-23]			
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 4

SEX: Female

DAY ON TEST: 739

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-58489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Islets, Pancreatic [Adenoma TGLS = 7-24]		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Inflammation	Chronic, Focal, Mild
* Mammary Gland		Dilatation	Marked
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Dilatation TGLS = 4-8]			
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]			
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 4

SEX: Female

DAY ON TEST: 509

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 90-54808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Intestine Large, Colon		Intussusception	Marked
		Polyp Adenomatous	
	[Intussusception TGLS = 2-22]		
	[Polyp Adenomatous TGLS = 3-23]		
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
	[Focal Cellular Change TGLS = 4-24]		
* Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-21]		

PRIMARY CAUSE OF DEATH - Intestine Large, Colon Polyp Adenomatous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 4

SEX: Female

DAY ON TEST: 738

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Biliar Tract	Cyst	Moderate
		Focal Cellular Change	Mild
[Cyst TGLS = 5-24]			
[Focal Cellular Change TGLS = 6-25]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-23]			
* Pituitary Gland		Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 4-26]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 431

TRT#: 4

SEX: Female

DAY ON TEST: 738

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 91-57665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lacrimal Gland	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Moderate
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-25]			
* Uterus	Endometrium	Sarcoma Stromal	
Note: TUMOR HAS AREAS OF DECIDUAL ALTERATION.			
[Sarcoma Stromal TGLS = 3-23]			
Zymbals GI			
Note: Zymbal's gl on both sides examined (Slide #43-1.1).			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Mammary Gland		Dilatation	Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
* Mammary Gland		Dilatation	Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 1-7]			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Focal Cellular Change	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mesenteric
* Pancreas
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Bone
* Heart
* Intestine Small, Duodenum
* Lung
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Ovary
* Skin
* Thymus

OBSERVATIONS

* Clitoral Gland
* Kidney
* Liver
* Pituitary Gland
* Uterus

Endometrium

Degeneration
Nephropathy
Focal Cellular Change
Cyst
Hydrometra
Hyperplasia

Cystic, Mild
Minimal
Mild
Minimal
Mild
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 3-8]	Degeneration	Cystic, Moderate
* Kidney	Nephropathy	Minimal
* Liver [Focal Cellular Change TGLS = 2-21]	Focal Cellular Change	Mild
* Mammary Gland	Dilatation	Mild
* Pituitary Gland [Angiectasis TGLS = 1-1]	Angiectasis	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 436

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone	Hyperostosis	Moderate
[Hyperostosis TGLS = 2-9, 3-21]		
* Liver	Focal Cellular Change	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-22]	Hepatodiaphragmatic Nodule	Mild
* Pituitary Gland	Angiectasis	Mild
[Angiectasis TGLS = 1-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Ovary	Bilateral	Cyst	Moderate
[Cyst TGLS = 1-7, 2-7]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 3-1]	Pars Distalis	Focal Cellular Change	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Hyperostosis	Mild
[Hyperostosis TGLS = 1-21]		
* Kidney	Nephropathy	Minimal
* Liver	Focal Cellular Change	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-22]	Hepatodiaphragmatic Nodule	Mild
* Pancreas	Atrophy	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Degeneration	Cystic, Minimal
* Liver	Focal Cellular Change	Minimal
	Inflammation	Focal, Minimal
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
* Pancreas	Atrophy	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.25%

DISP: Scheduled Sacrifice

HISTO: 90-54630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mesenteric
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Adrenal Medulla
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone
* Heart
* Intestine Small, Duodenum
* Lung
* Ovary
* Skin
* Thymus

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Pancreas
* Spleen
* Thyroid Gland

OBSERVATIONS

* Clitoral Gland
* Kidney
* Liver
* Mammary Gland
* Pituitary Gland
* Uterus

Degeneration
Nephropathy
Focal Cellular Change
Dilatation
Cyst
Hydrometra

Cystic, Minimal
Minimal
Mild
Minimal
Moderate
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 4-1, 4-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Mammary Gland		Dilatation	Moderate
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]		Fibroadenoma	Multiple
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-8]		Degeneration	Cystic, Moderate
* Kidney	Epithelium, Papilla	Hyperplasia Nephropathy Focal Cellular Change Fibroadenoma	Minimal Mild Mild Multiple
* Liver			
* Mammary Gland [Fibroadenoma TGLS = 2-21,3-22,4-23,5-24,6-25]			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis Cyst	Minimal Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Moderate
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]			
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 446

TRT#: 6

SEX: Female

DAY ON TEST: 697

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 8-6]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 7-8]			
[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25,6-26]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 6

SEX: Female

DAY ON TEST: 631

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 6-24]			
* Brain		Astrocytoma Nos	
[Astrocytoma Nos TGLS = 7-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 5-23]		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
Lymph Node	Pancreatic	Hemorrhage	Mild
[Hemorrhage TGLS = 3-5]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 3-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Ovary	Corpus Luteum	Hyperplasia	Lymphoid, Mild
	Corpus Luteum, Thecal Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Nos

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 6

SEX: Female

DAY ON TEST: 576

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Congestion	Mild
		Focal Cellular Change	Mild
[Congestion TGLS = 4-10]			
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 6-23]			
* Clitoral Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 3-22]			
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hemorrhage	Moderate
* Lymph Node, Mesenteric			
[Hemorrhage TGLS = 5-5]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Clitoral Gland	* Thymus
------------------	----------

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hypercellularity	Mild
* Brain		Compression	Moderate
[Compression TGLS = 12-1-1]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 9-26]			
[Hyperplasia TGLS = 8-25]			
[Hyperplasia TGLS = 8-25]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57670

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Dilatation

Moderate

Fibroadenoma

Multiple

[Dilatation TGLS = 1-8]

[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24]

* Pancreas

Atrophy

Focal, Minimal

* Parathyroid Gland

Hyperplasia

Mild

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 13-1]

* Spleen

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

* Uterus

Endometrium

Polyp Stromal

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Brain		Compression	Moderate
[Compression TGLS = 10-1-1]			
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Mammary Gland		Carcinoma	
		Dilatation	Moderate
		Fibroadenoma	Multiple
[Carcinoma TGLS = 5-24]			
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21, 3-22, 4-23, 6-25]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-26]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 8-27]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58418

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-22]			
* Pituitary Gland		Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Cyst	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 565

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-55371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-22-1]			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Dilatation	Minimal
[Dilatation TGLS = 1-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Focal Cellular Change	Mild
[Cyst TGLS = 5-1]			
[Focal Cellular Change TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

- Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58420....

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]			
* Heart		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 24-5]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 17-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 23-2]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58420....

ORGAN AND ACCOUNTABLE SITE STATUS

Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-25]		
[Leukemia Mononuclear TGLS = 3-21]		
[Leukemia Mononuclear TGLS = 21-29]		
[Leukemia Mononuclear TGLS = 20-28]		
[Leukemia Mononuclear TGLS = 9-26]		
[Leukemia Mononuclear TGLS = 22-3]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 18-5]		
* Mammary Gland	Dilatation	Moderate
	Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]		
[Fibroadenoma TGLS = 4-22, 5-23, 6-24]		
* Ovary	Leukemia Mononuclear	
* Pancreas	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-7]		
* Pituitary Gland	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 25-1]		
* Salivary Glands	Leukemia Mononuclear	
* Spleen	Fibrosis	Focal, Mild
	Leukemia Mononuclear	
[Fibrosis TGLS = 15-27]		
[Leukemia Mononuclear TGLS = 13-6]		
* Stomach, Forestomach	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 26-30]		
* Urinary Bladder	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-8]		
* Uterus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-7, 12-7-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58420....

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Hemorrhage	Focal, Mild
		Inflammation	Focal, Mild
		Necrosis	Focal, Mild
* Lung		Inflammation	Chronic, Focal, Minimal
[Inflammation TGLS = 6-24]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Thyroid Gland	C Cell	Adenoma	
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-23]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 3-22, 3-43]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex [Angiectasis TGLS = 7-10]		Angiectasis	Mild
* Bone Marrow		Hypercellularity	Moderate
* Brain [Compression TGLS = 11-1-1]		Compression	Moderate
* Clitoral Gland [Adenoma TGLS = 2-22]		Adenoma	
Eye [Cataract TGLS = 1-21]	Retina	Cataract Degeneration	Moderate Moderate
* Kidney		Nephropathy	Mild
* Liver [Leukemia Mononuclear TGLS = 8-6]	Bile Duct	Focal Cellular Change Hyperplasia Leukemia Mononuclear	Mild Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 5-8, 3-23, 4-24]		Dilatation Fibroadenoma	Moderate Multiple
* Pituitary Gland [Adenoma TGLS = 10-1]	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57672

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-6, 6-25]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 456

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
* Lung		Inflammation	Chronic, Focal, Minimal
	[Inflammation TGLS = 7-2-1]		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 3-23, 4-24, 5-25]		
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Uterus	Endometrium	Cyst	Mild
	Endometrium	Polyp Stromal	
	[Polyp Stromal TGLS = 6-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 6

SEX: Female

DAY ON TEST: 481

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-54801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 8-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
Lymph Node	Deep Cervical	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8, 6-23]			
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 3-8, 6-23]			
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Skin	Subcut Tiss	Inflammation	Chronic, Focal, Moderate
[Inflammation TGLS = 4-21]			
* Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 5-22]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 6

SEX: Female

DAY ON TEST: 697

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 7-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 6-7-2]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 3-23]			
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 6

SEX: Female

DAY ON TEST: 508

DOSE: 0.50%

DISP: Natural Death

HISTO: 90-54802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Bone Marrow | * Clitoral Gland | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|----------|
| * Adrenal Cortex | | Congestion | Moderate |
| | | Leukemia Mononuclear | |
| [Congestion TGLS = 4-10] | | | |
| [Leukemia Mononuclear TGLS = 4-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-10] | | | |
| * Brain | | Hemorrhage | Moderate |
| | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | Centrilobular | Atrophy | Mild |
| | | Focal Cellular Change | Mild |
| | | Leukemia Mononuclear | |
| [Focal Cellular Change TGLS = 6-21, 7-22] | | | |
| [Leukemia Mononuclear TGLS = 5-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-2] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-5, 8-23] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 10-5, 8-23] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 460	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Natural Death	DAY ON TEST: 508 HISTO: 90-54802
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Dilatation TGLS = 1-8]		Dilatation	Mild
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 461

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 10-27]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
[Stromal Nephroma TGLS = 8-26]		Stromal Nephroma	
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 12-28]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24, 5-25]		Hyperplasia	Moderate
[Hyperplasia TGLS = 6-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 462

TRT#: 6

SEX: Female

DAY ON TEST: 682

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Minimal
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 6-6]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21, 2-22, 4-23, 5-24]			
* Pancreas		Atrophy	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tissue NOS
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
Eye		Hemorrhage	Moderate
		Inflammation	Chronic, Marked
		Necrosis	Focal, Marked
[Hemorrhage TGLS = 1-21]			
[Necrosis TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 6-6]			
* Mammary Gland		Dilatation	Marked
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-8]			
[Fibroadenoma TGLS = 3-8, 4-22]			
Pharynx	Palate	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-9-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58424

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pharynx Palate Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Leukemia Mononuclear	Minimal
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration Inflammation	Cystic, Moderate Chronic, Mild
[Degeneration TGLS = 1-8]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-22]			
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver	Centrilobular	Atrophy Fatty Change	Moderate Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia Leukemia Mononuclear	Multifocal, Mild
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 6

DOSE: 0.50%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 670

HISTO: 91-58425

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 2-8, 3-21]

* Pancreas

Atrophy

Focal, Moderate

* Pituitary Gland

Leukemia Mononuclear

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6]

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 9-23]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration Hyperplasia	Cystic, Moderate Mild
[Degeneration TGLS = 4-8-1]			
[Hyperplasia TGLS = 4-8-1]			
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 7-24]			
* Mammary Gland		Dilatation Fibroadenoma	Mild Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 5-23]			
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 6-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
[Focal Cellular Change TGLS = 6-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-8, 2-21, 3-22, 4-23, 5-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Minimal
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 9-26]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-8, 2-21, 3-22, 4-23, 5-24, 6-25]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 7-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 6

SEX: Female

DAY ON TEST: 585

DOSE: 0.50%

DISP: Natural Death

HISTO: 90-55465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 7-1]		
	[Leukemia Mononuclear TGLS = 7-1]		
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
	[Dilatation TGLS = 6-8]		
	[Fibroadenoma TGLS = 1-21]		
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:37
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 468	TRT#: 6	SEX: Female	DAY ON TEST: 585
	DOSE: 0.50%	DISP: Natural Death	HISTO: 90-55465

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 5-1]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 8-4-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

Animal Note: HYPERPLASTIC AREA INVOLVES MAINLY GANGLION CELLS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:37

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Mild
[Adenoma TGLS = 2-8-1]			
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
[Angiectasis TGLS = 5-23]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 3-21, 4-22]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Hyperplasia	Lymphoid, Histiocytic, Mild
		Inflammation	Focal, Mild
	[Focal Cellular Change TGLS = 5-24]		
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-21, 2-22, 3-23]		
* Nose		Fungus	Minimal
		Inflammation	Suppurative, Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 3-23]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland		Cyst	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-22]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 472

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0.50%

DISP: Natural Death

HISTO: 91-58428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 5-23]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Congestion	Moderate
		Fatty Change	Mild
* Lung		Congestion	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21, 3-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Congestion	Moderate
		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|-----------------------|--------------|
| * Clitoral Gland | | Degeneration | Cystic, Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Focal Cellular Change | Mild |
| * Mammary Gland | | Dilatation | Marked |
| | | Fibroadenoma | Multiple |
| | | Hyperplasia | Moderate |
| | [Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24] | | |
| | [Hyperplasia TGLS = 1-8] | | |
| * Nose | Nasolacrim Dct | Cyst | Mild |
| | Note: CYST IS EPITHELIAL INCLUSION TYPE. | | |
| * Pituitary Gland | | Angiectasis | Marked |
| | [Angiectasis TGLS = 6-1] | | |
| * Uterus | Endometrium | Adenoma | |
| | [Adenoma TGLS = 7-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 474

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-58429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild

[Necrosis TGLS = 1-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 5-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Congestion	Focal, Minimal
	Bile Duct	Focal Cellular Change	Minimal
[Congestion TGLS = 3-6]		Hyperplasia	Minimal
* Mammary Gland		Dilatation	Moderate
[Dilatation TGLS = 1-8]		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-22]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Adenoma	
[Adenoma TGLS = 4-8]	Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8]		
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Focal, Minimal
* Mammary Gland	Dilatation	Moderate
[Dilatation TGLS = 1-8]	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 6-23, 7-24]	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 477

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]		
* Ovary	Corpus Luteum	Hyperplasia	Lymphoid, Mild
	Corpus Luteum, Thecal Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 6-24, 6-24-1]			
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 9-25]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 10-26]		Hyperplasia	Minimal
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 4-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 3-23]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
		[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-1]	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 6

SEX: Female

DAY ON TEST: 632

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Marked
	Bile Duct	Fatty Change	Moderate
	Hepatocyte	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 2-8]			
Mesentery		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 480	TRT#: 6 DOSE: 0.50%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 91-58431
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 5-21] [Leukemia Mononuclear TGLS = 4-6]		Fibrosis Leukemia Mononuclear	Focal, Mild
* Thymus		Leukemia Mononuclear	
* Uterus [Hyperplasia TGLS = 7-7]	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 481

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 17-26]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 7-8]			
* Heart		Thrombosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 16-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24]			
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 481

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58432

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Leukemia Mononuclear TGLS = 10-7]		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 12-25] [Leukemia Mononuclear TGLS = 11-6]		Fibrosis Leukemia Mononuclear	Focal, Moderate
* Thymus		Leukemia Mononuclear	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 482

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 5-25]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Minimal
		Cyst	Minimal
	Pars Distalis	Focal Cellular Change	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 483

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 2-8]		Degeneration	Cystic, Moderate
* Esophagus [Squamous Cell Papilloma TGLS = 14-30]		Squamous Cell Papilloma	
Eye [Atrophy TGLS = 1-21]		Atrophy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 12-6]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 8-26,9-27,10-28,11-29, 4-22,5-23,6-24,7-25]			
[Hyperplasia TGLS = 3-8]			
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 15-31]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 483

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57685

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 484

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 6-24]			
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-23]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 484

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58433

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 485

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Leukemia Mononuclear	
	[Focal Cellular Change TGLS = 6-23]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-21, 2-22]		
* Ovary		Cyst	Mild
	Corpus Luteum	Hyperplasia	Lymphoid, Mild
	Corpus Luteum, Thecal Cell	Hyperplasia	Mild
	Note: Cyst involves oviduct, not ovary itself. "Oviduct" is not listed as an available tissue or site.		
	[Cyst TGLS = 3-7]		
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Cyst	Mild
	[Cyst TGLS = 5-1]		
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 486

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression	Minimal
[Compression TGLS = 9-1-1]			
* Clitoral Gland		Degeneration	Cystic, Minimal
[Degeneration TGLS = 6-8]			
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 1-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 8-7]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Stomach, Forestomach	Mucosa	Hyperplasia	Moderate
[Hyperplasia TGLS = 11-25]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Cyst	Mild
[Cyst TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 486

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-57686

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 487

TRT#: 6

SEX: Female

DAY ON TEST: 633

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Marked
[Degeneration TGLS = 3-8]			
* Kidney	Papilla	Atrophy Degeneration Nephropathy	Focal, Mild Mild Mild
* Liver		Focal Cellular Change Inflammation Leukemia Mononuclear	Moderate Focal, Minimal
[Focal Cellular Change TGLS = 6-24, 8-25]			
* Mammary Gland		Dilatation Fibroadenoma	Marked Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 4-22, 5-23]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 6

SEX: Female

DAY ON TEST: 409

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-54508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-2]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8,3-21,6-25,11-23,2-8,10-22,13-26,9-5-1,14-24,15]			
[Leukemia Mononuclear TGLS = 3-8,3-21,6-25,11-23,2-8,10-22,13-26,9-5-1,14-24,15]			
[Leukemia Mononuclear TGLS = 3-8,3-21,6-25,11-23,2-8,10-22,13-26,9-5-1,14-24,15]			
[Leukemia Mononuclear TGLS = 3-8,3-21,6-25,11-23,2-8,10-22,13-26,9-5-1,14-24,15]			
[Leukemia Mononuclear TGLS = 3-8,3-21,6-25,11-23,2-8,10-22,13-26,9-5-1,14-24,15]			
[Leukemia Mononuclear TGLS = 3-8,3-21,6-25,11-23,2-8,10-22,13-26,9-5-1,14-24,15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 6

SEX: Female

DAY ON TEST: 409

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-54508

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular

[Leukemia Mononuclear TGLS = 13-26, 6-25, 11-23, 2-8]

Leukemia Mononuclear

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 6-25, 11-23, 2-8, 10-22]

Leukemia Mononuclear

* Mammary Gland

[Dilatation TGLS = 4-8]

Dilatation

Moderate

Mesentery

Leukemia Mononuclear

* Ovary

Leukemia Mononuclear

Note: OVARIAN TISSUE ALMOST ENTIRELY REPLACED BY LEUKEMIC CELLS.

* Skin

Subcut Tiss

Leukemia Mononuclear

* Spleen

[Leukemia Mononuclear TGLS = 5-6]

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 489

TRT#: 6

SEX: Female

DAY ON TEST: 432

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-54509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|-----------------|
| * Adrenal Cortex | | Congestion | Moderate |
| | | Leukemia Mononuclear | |
| [Congestion TGLS = 6-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Degeneration | Cystic, Minimal |
| * Kidney | | Nephropathy | Mild |
| Note: PART OR ALL OF EACH RENAL PAPILLA LOST AT MICROTOMY. | | | |
| * Liver | Centrilobular | Atrophy | Mild |
| | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| Lymph Node | Deep Cervical | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-21, 5-22, 2-8, 9-23] | | | |
| [Leukemia Mononuclear TGLS = 11-21, 5-22, 2-8, 9-23] | | | |
| [Leukemia Mononuclear TGLS = 11-21, 5-22, 2-8, 9-23] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-21, 5-22, 2-8, 9-23] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-21, 5-22, 2-8, 9-23] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 489

TRT#: 6

SEX: Female

DAY ON TEST: 432

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-54509

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 3-8]	Hyperplasia	Mild
* Pituitary Gland [Angiectasis TGLS = 10-1]	Angiectasis Cyst Leukemia Mononuclear	Mild Mild
* Salivary Glands	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-6]	Leukemia Mononuclear	
* Thymus	Hemorrhage	Mild
Tooth [Developmental Malformation TGLS = 1-9-2]	Developmental Malformation	Moderate
* Uterus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 490

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 12-25]			
* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 8-24]			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Fatty Change TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 10-2]			
Lymph Node	Mediastinal	Hyperplasia	Moderate
[Hyperplasia TGLS = 9-3-1]			
* Lymph Node, Mesenteric		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-5]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21, 4-22, 5-23]			
* Pancreas		Atrophy	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 490

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58436

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Cyst

Mild

* Spleen

Focal Cellular Change

Mild

* Thyroid Gland

C Cell

Hematopoietic Cell Proliferation

Moderate

Tongue

Hyperplasia

Minimal

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 11-26]

PRIMARY CAUSE OF DEATH

- Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 491

TRT#: 6

SEX: Female

DAY ON TEST: 683

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 91-58437

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Fibrosis
Leukemia Mononuclear

Focal, Mild

[Fibrosis TGLS = 12-29]

[Leukemia Mononuclear TGLS = 11-6]

* Uterus

Endometrium
Endometrium

Hyperplasia
Polyp Stromal

Cystic, Minimal

[Polyp Stromal TGLS = 10-7]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 492

TRT#: 6

SEX: Female

DAY ON TEST: 738

DOSE: 0.50%

DISP: Terminal Sacrifice

HISTO: 91-58438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex [Angiectasis TGLS = 4-10]		Angiectasis	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
		Hyperplasia	Histiocytic, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-21, 2-22, 3-23]		Dilatation	Mild
		Fibroadenoma	Multiple
* Pituitary Gland	Pars Distalis	Adenoma	
Tooth	Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 493

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Minimal
[Angiectasis TGLS = 2-1]			
* Thyroid Gland	C Cell	Adenoma	
		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 494

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
		Inflammation	Focal, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-1]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 495

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland	Degeneration	Cystic, Mild
* Kidney	Nephropathy	Minimal
* Liver	Focal Cellular Change	Minimal
	Hepatodiaphragmatic Nodule	Multiple, Moderate
	Inflammation	Focal, Minimal

[Hepatodiaphragmatic Nodule TGLS = 2-21, 3-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 496

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Bone

* Bone Marrow

* Brain

* Esophagus

* Heart

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Islets, Pancreatic

* Liver

* Lung

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Mammary Gland

* Nose

* Ovary

* Pancreas

* Parathyroid Gland

* Pituitary Gland

* Salivary Glands

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Thymus

* Thyroid Gland

* Trachea

* Urinary Bladder

* Uterus

OBSERVATIONS

* Clitoral Gland

Degeneration

Cystic, Minimal

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 497

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver	Focal Cellular Change	Mild
* Pancreas	Atrophy	Focal, Minimal
* Pituitary Gland	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 498

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 2-22]			
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 499

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.50%

DISP: Scheduled Sacrifice

HISTO: 90-54614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Pituitary Gland		Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 500

TRT#: 6

SEX: Female

DAY ON TEST: 388

DOSE: 0.50%

DISP: Moribund Sacrifice

HISTO: 90-52868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 2-8]	Degeneration	Cystic, Minimal
* Mammary Gland [Carcinoma TGLS = 1-21]	Carcinoma	
* Ovary	Cyst	Mild
* Pancreas	Atrophy	Focal, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 501

TRT#: 8

SEX: Female

DAY ON TEST: 551

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 502

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-26]			
* Kidney		Atrophy	Focal, Mild
[Atrophy TGLS = 7-24]		Nephropathy	Mild
* Liver		Focal Cellular Change	Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
* Pituitary Gland		Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Thyroid Gland	Follicle	Dilatation	Moderate
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 502

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58025

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 503

TRT#: 8

SEX: Female

DAY ON TEST: 369

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-52844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Mammary Gland		Dilatation	Minimal
* Pancreas		Atrophy	Focal, Minimal
* Uterus		Hydrometra	Minimal
	Endometrium	Polyp Stromal	
[Hydrometra TGLS = 2-7]			
[Polyp Stromal TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 504

TRT#: 8

SEX: Female

DAY ON TEST: 630

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-24]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
[Leukemia Mononuclear TGLS = 2-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6, 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 504

TRT#: 8

SEX: Female

DAY ON TEST: 630

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58026

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Epithelium

Hyperplasia

Focal, Mild

Inflammation

Chronic, Focal, Moderate

[Hyperplasia TGLS = 7-23]

[Inflammation TGLS = 7-23]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 505

TRT#: 8

SEX: Female

DAY ON TEST: 585

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Dilatation	Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland		Angiectasis	Mild
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 2-21]			
* Spleen		Fibrosis	Focal, Minimal
		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 506

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 8-26]			
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 5-8]			
* Kidney		Atrophy	Focal, Moderate
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
[Angiectasis TGLS = 7-25]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 1-8, 2-21, 3-22, 4-23, 6-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1, 10-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 506

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58027

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 507

TRT#: 8

SEX: Female

DAY ON TEST: 689

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Histiocytic, Focal, Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-26]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Mild
[Dilatation TGLS = 3-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 4-23, 5-24]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Carcinoma	
[Carcinoma TGLS = 6-25]			

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 508

TRT#: 8

SEX: Female

DAY ON TEST: 432

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 5-3-1]			
* Mammary Gland		Carcinoma	
		Dilatation	Mild
[Carcinoma TGLS = 2-21]			
[Dilatation TGLS = 1-8]			
* Ovary	Corpus Luteum	Hyperplasia	Lymphoid, Moderate
	Corpus Luteum, Thecal Cell	Hyperplasia	Marked
[Hyperplasia TGLS = 3-7, 3-7]			
[Hyperplasia TGLS = 3-7, 3-7]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Moderate
		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-6]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 509

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 8-26]			
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 9-6]			
Lymph Node	Axillary	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-25]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
* Ovary		Cyst	Mild
[Cyst TGLS = 6-7]			
* Pituitary Gland		Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Thyroid Gland		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 510

TRT#: 8

SEX: Female

DAY ON TEST: 645

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7]			
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24, 6-25]			
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 510	TRT#: 8 DOSE: 1.00%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 645 HISTO: 91-58030
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 11-4-1]		Erosion	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 511

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 15-31]			
* Brain		Compression	Minimal
[Compression TGLS = 17-1-1]			
* Clitoral Gland		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-8-1]			
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 13-29]			
* Kidney	Pelvis	Dilatation	Mild
[Dilatation TGLS = 10-5]		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Minimal
[Focal Cellular Change TGLS = 11-28, 18-32]		Focal Cellular Change	Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-26]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-26]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24,6-25,14-30]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 511

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58031

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 16-1]			
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Dilatation	Moderate
		Inflammation	Chronic, Moderate
[Dilatation TGLS = 7-8]			
[Inflammation TGLS = 9-8]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 512

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Congestion	Mild
		Focal Cellular Change	Minimal
		Leukemia Mononuclear	
[Congestion TGLS = 12-10]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Marked
[Degeneration TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21, 4-22, 5-23, 6-24,, 7-25, 8-26, 9-27]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 15-1]			
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 512

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58032

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 11-28]

[Leukemia Mononuclear TGLS = 10-6]

* Stomach, Forestomach

Mucosa

Hyperplasia

Mild

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 14-3]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 513

TRT#: 8

SEX: Female

DAY ON TEST: 619

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
[Atrophy TGLS = 10-30]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24, 5-25, 6-26, 7-27, 8-28]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 9-29]			
* Ovary		Cyst	Mild
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 11-1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 514

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 515

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney	Papilla	Degeneration Nephropathy	Minimal Mild
* Liver		Focal Cellular Change Hepatodiaphragmatic Nodule	Moderate Mild
[Focal Cellular Change TGLS = 6-6, 8-25]			
[Hepatodiaphragmatic Nodule TGLS = 7-24]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 5-2-1]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 516

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------------|-----------------------|------------------|
| * Adrenal Cortex | | Congestion | Mild |
| * Clitoral Gland | | Degeneration | Cystic, Moderate |
| [Degeneration TGLS = 3-8] | | | |
| * Kidney | | Atrophy | Focal, Moderate |
| | Papilla | Degeneration | Mild |
| | Epithelium, Papilla | Hyperplasia | Minimal |
| | | Nephropathy | Minimal |
| [Atrophy TGLS = 8-5] | | | |
| * Liver | | Focal Cellular Change | Mild |
| | | Inflammation | Focal, Minimal |
| [Focal Cellular Change TGLS = 10-24] | | | |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| [Hemorrhage TGLS = 2-8] | | | |
| * Mammary Gland | | Dilatation | Mild |
| | | Fibroadenoma | Multiple |
| [Dilatation TGLS = 1-8] | | | |
| [Fibroadenoma TGLS = 4-21, 5-22, 6-23] | | | |
| * Uterus | Endometrium | Polyp Stromal | |
| [Polyp Stromal TGLS = 7-7] | | | |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 517

TRT#: 8

SEX: Female

DAY ON TEST: 594

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Moderate
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 9-2-1]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25,6-26]			
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 8-27]			
* Stomach, Forestomach		Inflammation	Chronic, Mild
		Ulcer	Mild
[Ulcer TGLS = 11-28]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 518

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	Skeletal Muscle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Atrophy	Focal, Moderate
	Epithelium, Papilla	Hyperplasia	Mild
		Nephropathy	Moderate
	[Atrophy TGLS = 7-5]		
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
	[Focal Cellular Change TGLS = 8-27]		
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25]		
Pharynx	Epithelium, Palate	Hyperplasia	Focal, Minimal
	[Hyperplasia TGLS = 10-9-1]		
* Pituitary Gland		Angiectasis	Mild
	[Angiectasis TGLS = 11-1]		
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 6-26]		
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 9-28]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 518

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58035

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 519

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Focal Cellular Change	Mild
	Hepatocyte	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3-1]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
* Pancreas		Atrophy	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 519

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58036

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 8-25, 9-26]

[Leukemia Mononuclear TGLS = 5-6]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 520

TRT#: 8

SEX: Female

DAY ON TEST: 574

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 5-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5, 3-21, 6-22]			
[Leukemia Mononuclear TGLS = 4-5, 3-21, 6-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5, 3-21, 6-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5, 3-21, 6-22]			
* Mammary Gland		Dilatation	Mild
Mesentery		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-23]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 520

TRT#: 8

SEX: Female

DAY ON TEST: 574

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55415

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-7, 8-23]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 521

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 1.00%

DISP: Natural Death

HISTO: 91-58037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Moderate
* Esophagus			
Note: NO ESOPHAGEAL LESION FOUND AMONG WET TISSUES.			
* Kidney	Papilla	Cyst Degeneration Nephropathy	Moderate Mild Mild
[Cyst TGLS = 7-23]			
* Liver	Bile Duct	Autolysis Focal Cellular Change Hyperplasia Inflammation Dilatation Fibroadenoma	Moderate Mild Minimal Focal, Minimal Mild Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22]			
* Pancreas		Atrophy	Focal, Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hydrometra Polyp Stromal	Moderate
[Hydrometra TGLS = 5-7]			
[Polyp Stromal TGLS = 6-7-1, 6-7-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 521

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 1.00%

DISP: Natural Death

HISTO: 91-58037

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 522

TRT#: 8

SEX: Female

DAY ON TEST: 598

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 18-1]			
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-26,7-25,15-3-1,6-8,14-27,5-24,16-28,11-5]			
[Leukemia Mononuclear TGLS = 13-26,7-25,15-3-1,6-8,14-27,5-24,16-28,11-5]			
[Leukemia Mononuclear TGLS = 13-26,7-25,15-3-1,6-8,14-27,5-24,16-28,11-5]			
[Leukemia Mononuclear TGLS = 13-26,7-25,15-3-1,6-8,14-27,5-24,16-28,11-5]			
[Leukemia Mononuclear TGLS = 13-26,7-25,15-3-1,6-8,14-27,5-24,16-28,11-5]			
[Leukemia Mononuclear TGLS = 13-26,7-25,15-3-1,6-8,14-27,5-24,16-28,11-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 522

TRT#: 8

SEX: Female

DAY ON TEST: 598

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55832

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular
[Leukemia Mononuclear TGLS = 13-26, 7-25, 15-3-1, 6-8]

Leukemia Mononuclear

* Lymph Node, Mesenteric
[Leukemia Mononuclear TGLS = 7-25, 15-3-1, 6-8, 11-5]

Leukemia Mononuclear

* Mammary Gland

Dilatation

Mild

[Dilatation TGLS = 1-8]

Fibroadenoma

Multiple

[Fibroadenoma TGLS = 2-21, 3-22, 4-23]

Mesentery

Leukemia Mononuclear

* Ovary

Leukemia Mononuclear

* Pituitary Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 17-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-6]

* Thymus

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 523

TRT#: 8

SEX: Female

DAY ON TEST: 540

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 7-1]		
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-21]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-22, 2-8]		
	[Leukemia Mononuclear TGLS = 6-22, 2-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-22, 2-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-22, 2-8]		
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 523

TRT#: 8

SEX: Female

DAY ON TEST: 540

DOSE: 1.00%

DISP: Natural Death

HISTO: 90-55364

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Erosion

Mild

[Erosion TGLS = 8-4-1]

Pigmentation

Minimal

[Pigmentation TGLS = 8-4-1]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 524

TRT#: 8

SEX: Female

DAY ON TEST: 585

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hypercellularity	Minimal
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland		Cyst	Mild
* Thyroid Gland		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 525

TRT#: 8

SEX: Female

DAY ON TEST: 670

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney		Atrophy	Focal, Moderate
	Papilla	Degeneration	Moderate
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Minimal
[Atrophy TGLS = 8-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Carcinoma TGLS = 5-25]			
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
[Hyperplasia TGLS = 6-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 526

TRT#: 8

SEX: Female

DAY ON TEST: 660

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Brain		Compression	Moderate
[Compression TGLS = 14-1-1]			
* Clitoral Gland		Degeneration	Cystic, Mild
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 15-28]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Multifocal, Mild
[Hepatodiaphragmatic Nodule TGLS = 12-27]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24, 6-25]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 526	TRT#: 8 DOSE: 1.00%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 660 HISTO: 91-58039
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ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 7-7]		Cyst	Moderate
* Pituitary Gland [Adenoma TGLS = 13-1]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 9-26] [Leukemia Mononuclear TGLS = 8-6, 8-26]		Fibrosis Leukemia Mononuclear	Focal, Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 527

TRT#: 8

SEX: Female

DAY ON TEST: 627

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hypercellularity	Moderate
* Clitoral Gland		Degeneration	Cystic, Moderate
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-24]			
* Kidney	Papilla	Degeneration	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
		Necrosis	Focal, Mild
[Hepatodiaphragmatic Nodule TGLS = 10-25]			
[Necrosis TGLS = 5-23]			
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 9-3-1]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 528

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Mild
* Liver		Focal Cellular Change	Mild
[Focal Cellular Change TGLS = 2-22]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland		Angiectasis	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 529

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Brain		Astrocytoma Nos	
* Clitoral Gland		Degeneration	Cystic, Mild
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-26]			
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Mild
		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Focal, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 4-22, 5-23, 6-24, 7-25]		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-21, 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Nos

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 530

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
[Angiectasis TGLS = 10-28]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 12-29]			
[Leukemia Mononuclear TGLS = 8-27, 9-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-5]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-5]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-5]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24, 6-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 530

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57689

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Mucosa	Hyperplasia Inflammation	Focal, Mild Suppurative, Mild
* Ovary		Granulosa Cell Tumor Benign	
* Pituitary Gland		Angiectasis	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6, 7-26]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 14-30]		
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Minimal
	[Hydrometra TGLS = 11-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 531

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 9-27]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-26]			
* Pituitary Gland		Cyst	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-25]			
* Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 532

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 9-9, 9-9-2, 10-27]			
* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Atrophy	Focal, Moderate
	Papilla	Degeneration	Marked
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 6-5-1]			
* Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Multiple, Mild
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 11-28]			
[Hepatodiaphragmatic Nodule TGLS = 7-25, 8-26]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22, 4-23, 5-24]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 533

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Mild
[Adenoma TGLS = 5-25]			
* Esophagus	Epithelium	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 13-29]			
* Kidney	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Focal Cellular Change TGLS = 9-6]			
* Lung		Congestion	Moderate
		Hemorrhage	Diffuse, Moderate
		Leukemia Mononuclear	
[Congestion TGLS = 11-2]			
[Hemorrhage TGLS = 11-2]			
Lymph Node	Iliac	Inflammation	Suppurative, Moderate
	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Inflammation TGLS = 10-28]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 533	TRT#: 8	SEX: Female	DAY ON TEST: 682
	DOSE: 1.00%	DISP: Moribund Sacrifice	HISTO: 91-58043

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-3-1, 10-28]			
[Leukemia Mononuclear TGLS = 12-3-1, 10-28]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1, 10-28]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3-1, 10-28]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24,, 5-25, 6-26, 7-27]			
* Pituitary Gland		Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 534

TRT#: 8

SEX: Female

DAY ON TEST: 660

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------|------------------|
| * Brain | | Compression | Marked |
| [Compression TGLS = 9-1-1] | | | |
| * Clitoral Gland | | Degeneration | Cystic, Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Focal Cellular Change | Mild |
| | | Inflammation | Focal, Mild |
| * Mammary Gland | | Dilatation | Moderate |
| [Dilatation TGLS = 7-8] | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 8-1] | | | |
| * Uterus | | Hydrometra | Minimal |
| [Hydrometra TGLS = 6-7] | | | |

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 535

TRT#: 8

SEX: Female

DAY ON TEST: 460

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Liver		Inflammation	Focal, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 536

TRT#: 8

SEX: Female

DAY ON TEST: 516

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
* Mammary Gland		Dilatation	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 537

TRT#: 8

SEX: Female

DAY ON TEST: 683

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney	Papilla	Degeneration	Moderate
	Epithelium, Papilla	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Inflammation	Focal, Mild
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
	[Dilatation TGLS = 3-8]		
	[Fibroadenoma TGLS = 6-25, 7-26, 1-21, 2-22, 4-23, 5-24,]		
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland		Cyst	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 539

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Kidney	Papilla	Degeneration	Moderate
		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Inflammation	Chronic, Focal, Mild
[Inflammation TGLS = 12-2-1]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 11-5]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 2-8]			
[Fibroadenoma TGLS = 4-22, 5-23, 6-24, 7-25]			
* Pancreas		Atrophy	Focal, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 539

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1.00%

DISP: Terminal Sacrifice

HISTO: 91-57691

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Polyp Stromal

[Polyp Stromal TGLS = 8-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 540

TRT#: 8

SEX: Female

DAY ON TEST: 683

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Minimal
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-28]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
[Alveolar/Bronchiolar Carcinoma TGLS = 10-2-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 5-25, 6-26, 1-21, 2-22, 3-26, 4-24,]			
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-27]			
* Uterus	Endometrium	Cyst	Moderate
[Cyst TGLS = 7-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 541

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Inflammation	Focal, Mild
	[Focal Cellular Change TGLS = 12-6]		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25, 6-26,7-27,8-28,9-29]		
	[Hyperplasia TGLS = 11-8]		
* Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
* Ovary		Cyst	Moderate
	[Cyst TGLS = 10-7]		
* Pituitary Gland		Angiectasis	Mild
	[Angiectasis TGLS = 13-1]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 542

TRT#: 8

SEX: Female

DAY ON TEST: 694

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hypercellularity	Mild
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Mild
[Adenoma TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Minimal
[Hepatodiaphragmatic Nodule TGLS = 8-28]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 9-3-1]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 5-25, 6-26, 7-27, 2-22, 3-23, 4-24,]			
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 11-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 543

TRT#: 8

SEX: Female

DAY ON TEST: 523

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Mild
Lymph Node	Axillary	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-22]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Pancreas		Atrophy	Focal, Mild
* Pituitary Gland		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 544

TRT#: 8

SEX: Female

DAY ON TEST: 592

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------------|------------------|
| * Clitoral Gland | | Degeneration | Cystic, Mild |
| * Kidney | Papilla | Degeneration | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Focal Cellular Change | Mild |
| | | Infiltration Cellular | Mixed Cell, Mild |
| * Mammary Gland | | Dilatation | Marked |
| | | Fibroadenoma | |
| | [Fibroadenoma TGLS = 1-21,2-22,3-23,4-24,5-25,6-26] | | |
| * Pancreas | | Atrophy | Focal, Minimal |
| * Pituitary Gland | | Cyst | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 545

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-6]		
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 16-31]		
	[Leukemia Mononuclear TGLS = 16-31]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-7, 15-30, 17-3-1, 14-29]		
	[Leukemia Mononuclear TGLS = 12-7, 15-30, 17-3-1, 14-29]		
	[Leukemia Mononuclear TGLS = 12-7, 15-30, 17-3-1, 14-29]		
	[Leukemia Mononuclear TGLS = 12-7, 15-30, 17-3-1, 14-29]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 545

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58049

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-7, 15-30, 17-3-1, 14-29]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-7, 15-30, 17-3-1, 14-29]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-29, 12-7, 15-30, 17-3-1]		
* Mammary Gland	Dilatation	Moderate
	Fibroadenoma	Multiple
	Hyperplasia	Moderate
	Leukemia Mononuclear	
[Dilatation TGLS = 7-8]		
[Fibroadenoma TGLS = 5-25, 6-26, 8-27, 1-21, 2-22, 3-23, 4-24,]		
* Pancreas	Atrophy	Focal, Minimal
	Leukemia Mononuclear	
* Spleen	Fibrosis	Focal, Mild
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6, 11-28]		
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 546

TRT#: 8

SEX: Female

DAY ON TEST: 509

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Bone

* Bone Marrow

* Brain

* Esophagus

* Heart

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Islets, Pancreatic

* Kidney

* Lung

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Nose

* Pancreas

* Parathyroid Gland

* Pituitary Gland

* Salivary Glands

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Thymus

* Thyroid Gland

* Trachea

* Urinary Bladder

* Uterus

OBSERVATIONS

* Clitoral Gland

Degeneration

Cystic, Mild

* Liver

Focal Cellular Change

Minimal

* Mammary Gland

Infiltration Cellular

Mixed Cell, Mild

Carcinoma

Fibroadenoma

[Carcinoma TGLS = 2-22]

[Fibroadenoma TGLS = 1-21]

* Ovary

Cyst

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 547

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-10]			
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 14-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-5, 12-7, 16-3-1, 2-8]			
[Leukemia Mononuclear TGLS = 15-5, 12-7, 16-3-1, 2-8]			
[Leukemia Mononuclear TGLS = 15-5, 12-7, 16-3-1, 2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-8, 15-5, 12-7, 16-3-1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 547

TRT#: 8

DOSE: 1.00%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 659

HISTO: 91-58050

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-8, 15-5, 12-7, 16-3-1]

* Mammary Gland

Dilatation
Fibroadenoma
Leukemia Mononuclear

Marked
Multiple

[Fibroadenoma TGLS = 1-8, 3-21, 4-22, 5-23, 6-24, 7-25]

Mesentery

Inflammation
Leukemia Mononuclear
Necrosis

Chronic, Mild

Mild

Fat

[Necrosis TGLS = 8-26]

* Ovary

Leukemia Mononuclear
Atrophy
Leukemia Mononuclear
Leukemia Mononuclear

Focal, Moderate

* Pancreas

* Pituitary Gland

[Leukemia Mononuclear TGLS = 17-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 11-6]

* Stomach, Glandular

Leukemia Mononuclear
Leukemia Mononuclear
Ultimobranchial Cyst

Mild

* Thymus

* Thyroid Gland

* Uterus

Cervix

Endometrium

Hyperplasia
Hyperplasia
Inflammation
Leukemia Mononuclear

Moderate
Cystic, Minimal
Suppurative, Mild

[Hyperplasia TGLS = 10-27]

[Hyperplasia TGLS = 10-27]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 548

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 91-58051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 6-8]			
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 9-26]			
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
[Focal Cellular Change TGLS = 10-27]		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 8-25]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22, 4-23, 5-24]			
* Thyroid Gland		Ultimobranchial Cyst	Mild
* Uterus	Endometrium	Cyst	Moderate
[Cyst TGLS = 7-7-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 549

TRT#: 8

SEX: Female

DAY ON TEST: 474

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-54800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Carcinoma	
		Degeneration	Cystic, Mild
[Carcinoma TGLS = 6-25]			
* Esophagus		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 8-3]			
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Focal, Minimal
Lymph Node	Inguinal	Hyperplasia	Mild
[Hyperplasia TGLS = 2-21]			
* Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple
[Dilatation TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22, 4-23, 5-24]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 7-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 550

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 1.00%

DISP: Natural Death

HISTO: 91-58052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Kidney	Papilla	Degeneration	Minimal
		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Necrosis	Focal, Minimal
[Focal Cellular Change TGLS = 4-23]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 3-7-1]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 551

TRT#: 8

SEX: Female

DAY ON TEST: 577

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-8]			
* Kidney		Atrophy	Focal, Moderate
	Papilla	Degeneration	Marked
	Epithelium, Papilla	Hyperplasia	Moderate
		Nephropathy	Mild
[Nephropathy TGLS = 9-5]			
* Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
	Hepatocyte	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
Lymph Node	Renal	Hyperplasia	Mild
	Mediastinal	Leukemia Mononuclear	
	Renal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 13-8, 12-29]			
[Pigmentation TGLS = 11-26]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-8, 12-29]			
* Mammary Gland		Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol
CAS Number: 3296-90-0

Date Report Requested: 10/22/2014
Time Report Requested: 01:19:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 551

TRT#: 8

SEX: Female

DAY ON TEST: 577

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55365

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 2-8]	Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3-21, 4-22, 5-23, 6-24]	Hyperplasia	Mild
* Skin [Fibroma TGLS = 7-25]	Fibroma	
* Spleen [Leukemia Mononuclear TGLS = 8-6]	Leukemia Mononuclear	
Tongue [Squamous Cell Papilloma TGLS = 14-27]	Squamous Cell Papilloma	
Zymbal's Gland [Carcinoma TGLS = 15-28, 15-28-1]	Carcinoma	

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 552

TRT#: 8

SEX: Female

DAY ON TEST: 610

DOSE: 1.00%

DISP: Moribund Sacrifice

HISTO: 90-55833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 7-8]		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-21, 2-22, 3-23,, 4-24, 5-25, 6-26]		Dilatation	Moderate
		Fibroadenoma	Multiple
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 553

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Moderate
[Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Mammary Gland		Dilatation	Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 554

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Focal Cellular Change	Moderate
		Inflammation	Focal, Minimal
[Angiectasis TGLS = 5-24]			
[Focal Cellular Change TGLS = 5-24]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 6-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 555

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 2-21]			
* Nose	Nasolacrim Dct	Cyst	Mild
Note: CYST IS AN EPITHELIAL INCLUSION CYST.			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
[Angiectasis TGLS = 1-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 556

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Uterus	Endometrium	Polyp Stromal	Multiple
[Polyp Stromal TGLS = 1-7-1, 2-7-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 557

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Focal Cellular Change	Mild
	Inflammation	Focal, Minimal
[Focal Cellular Change TGLS = 2-22]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
* Pancreas	Atrophy	Focal, Mild
* Urin Bladder		
Note: URIN. BLADDER: FOLDING OF MUCOSA IS ARTIFACT.		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 558

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Ear	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
[Degeneration TGLS = 2-8, 4-8]			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Focal, Minimal
* Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 5-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 559

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Focal Cellular Change	Minimal
* Mammary Gland		Dilatation	Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 2-7-1]			
* Pituitary Gland		Angiectasis	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05103-05

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 10/22/2014

Time Report Requested: 01:19:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 560

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.00%

DISP: Scheduled Sacrifice

HISTO: 90-54598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Mild
* Liver		Focal Cellular Change	Minimal
* Pancreas		Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE