

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate

CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

C Number: C55050

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Pheochromocytoma

Liver
Lung

Tubule
Bile Duct

Nephropathy
Pigmentation, Nos
Hyperplasia, Focal
Aspiration, Foreign Body
Inflammation, Granulomatous Focal

Lymph node
Pituitary gland
Unspecified

Mandibular Lymph Node
Anterior Pituitary
Multiple Organs Nos

Plasmacytosis
Cyst, Embryonal Duct
Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus Islets	Atrophy, Focal Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Splenic Artery	Thrombus, Mural
Kidney		Nephropathy
Liver	Hepatic Sinusoid	Congestion, Nos
	Capsule	Hemorrhage
	Centrilobular	Necrosis, Focal
Lymph node	Pancreatic Lymph Node	Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Sarcoma, Nos, Uncertain Primary Or Meta

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Degeneration, Cystic
Brain	Cerebrum	Atrophy, Pressure
	Medulla Oblongata Nos	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Diffuse
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Kidney		Nephropathy
Liver	Centrilobular	Necrosis, Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Adenoma, Nos
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Lung

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Acute

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Focal
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Dilatation, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Spleen		Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
		Inflammation, Granulomatous Focal
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Endocardium Nos Atrium	Neurilemoma, Malignant Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Inflammation, Granulomatous Focal
Lung	Muscularis	Hyperplasia, Focal
Pancreas	Acinus Acinus	Atrophy, Focal Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Neurilemoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Liver	Periportal	Cytoplasmic Vacuolization Inflammation, Granulomatous Focal
Lung		Congestion, Nos
Lymph node	Mandibular Lymph Node	Depletion, Lymphoid
	Mandibular Lymph Node	Plasmacytosis
Spleen		Depletion, Lymphoid
Thymus	Cortex	Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Degeneration, Cystic Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Centrilobular	Necrosis, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Preputial gland		Adenocarcinoma, Nos Inflammation, Active Chronic
Skin	Foot And Toe Nos	Squamous Cell Papilloma
Spleen	Red Pulp	Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone marrow

Aplasia, Hematopoietic

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Thymus

Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Kidney	Cortex	Cyst, Nos
		Nephrosis, Nos
Liver		Degeneration, Cystic
		Inflammation, Granulomatous Focal
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Spleen		Depletion, Lymphoid
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Thymus		Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Thymus

Lymphocytes

Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Harderian gland	Hardarian Gland	Hemorrhage
	Hardarian Gland	Hyperplasia, Epithelial
	Hardarian Gland	Inflammation, Chronic Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Multiple
		Nephropathy
Liver	Periportal	Cytoplasmic Vacuolization
		Degeneration, Cystic
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Dilatation, Nos
	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Pancreas		Acinar-Cell Adenoma
Preputial gland		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Cheek	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Alveoli

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Necrosis, Focal
Bone	Femur	Osteosclerosis
Kidney		Nephropathy
Lung		Inflammation, Acute/Chronic
Lymph node	Mandibular Lymph Node	Inflammation, Multifocal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thymus		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
	Centrilobular	Necrosis, Focal
Lung		Inflammation, Acute/Chronic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Active Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Pancreatic Lymph Node	Depletion, Lymphoid
	Thymic Lymph Node	Inflammation, Active Chronic
	Pancreatic Lymph Node	Inflammation, Granulomatous Focal
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Spleen	Red Pulp	Infarct, Hemorrhagic
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone marrow		Hyperplasia, Granulocytic
Kidney		Nephropathy
Lymph node	Mandibular Lymph Node	Plasmacytosis
	Thoracic Lymph Node	Plasmacytosis
Testis		Interstitial-Cell Tumor
Unspecified	Chest	Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Dilatation, Nos
Kidney	Cortex	Cyst, Multiple
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung	Alveoli	Hemorrhage
Lymph node	Renal Lymph Node	Depletion, Lymphoid
	Renal Lymph Node	Dilatation, Nos
	Renal Lymph Node	Hemorrhage
	Renal Lymph Node	Inflammation, Granulomatous Focal
	Mandibular Lymph Node	Plasmacytosis
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Hip	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
	Cardiac Valve	Thrombosis, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Periportal	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Inflammation, Acute/Chronic
Lymph node	Mandibular Lymph Node	Plasmacytosis
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Degeneration, Cystic Pheochromocytoma
Bone	Femur	Osteosclerosis
Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization Hematopoiesis
	Bile Duct	Hyperplasia, Focal
Lymph node	Renal Lymph Node	Inflammation, Active Chronic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Abscess, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
Lung		Congestion, Acute
		Edema, Nos
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Thymus	Cortex	Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
	Alveoli	Crystals, Nos Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary Anterior Pituitary	Cyst, Multiple Hyperplasia, Focal
Prostate		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial Inflammation, Active Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Edema, Nos
Prostate		Inflammation, Acute Focal
Spleen		Depletion, Lymphoid
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Congestion, Nos
Liver		Congestion, Nos
	Periportal	Cytoplasmic Vacuolization
Lung		Congestion, Nos
Lymph node	Mandibular Lymph Node	Depletion, Lymphoid
Spleen	Red Pulp	Congestion, Nos
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
		Hyperplasia, Focal
	Centrilobular	Necrosis, Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lung		Pneumonia, Interstitial Chronic
Lymph node	Thymic Lymph Node	Congestion, Nos
	Thymic Lymph Node	Depletion, Lymphoid
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Granuloma, Nos
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Mandible

Squamous Cell Carcinoma

Kidney

Nephropathy

Liver

Degeneration, Cystic

Bile Duct

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Lymph node

Mandibular Lymph Node

Plasmacytosis

Pituitary gland

Intermedia

Adenoma, Nos

Salivary gland

Atrophy, Focal

Skin

Back

Keratoacanthoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Degeneration, Cystic
		Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Inflammation, Granulomatous Focal
	Mandibular Lymph Node	Cyst, Nos
	Thymic Lymph Node	Hemorrhage
	Mandibular Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Plasmacytosis
Pituitary gland	Anterior Pituitary	Hyperplasia, Cystic
Preputial gland		Adenoma, Nos
Testis	Tubule	Inflammation, Granulomatous Focal
		Atrophy, Pressure
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Centrilobular	Necrosis, Focal
Pancreas	Acinus	Atrophy, Focal
Salivary gland		Neurilemoma, Malignant
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Myocardium Nos

Mineralization

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Lung

Pneumonia, Interstitial Chronic

Stomach

Mineralization

Testis

Tubule

Atrophy, Pressure

Interstitial-Cell Tumor

Thyroid

Cyst, Embryonal Duct

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Periportal Bile Duct	Cytoplasmic Vacuolization Hyperplasia, Focal
Lung		Congestion, Acute
Lymph node	Mesenteric Lymph Node Mandibular Lymph Node	Inflammation, Chronic Focal Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Spleen	Red Pulp	Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
Thymus	Cortex	Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Brain		Hemorrhage
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Edema, Nos
Lymph node	Thymic Lymph Node	Inflammation, Chronic Focal
	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Thorax	Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
	Bile Duct	Hyperplasia, Focal
Lymph node	Renal Lymph Node	Inflammation, Granulomatous Focal
	Mandibular Lymph Node	Plasmacytosis
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Atrium

Dilatation, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lymph node

Mandibular Lymph Node

Plasmacytosis

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Periportal	Cytoplasmic Vacuolization
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Cytoplasmic Vacuolization Pheochromocytoma Pheochromocytoma, Malignant
Heart	Myocardium Nos Right Atrium Nos	Degeneration, Nos Dilatation, Nos
Kidney		Nephropathy
Liver		Angiectasis Clear-Cell Change Cytoplasmic Change, Basophilic Degeneration, Cystic Pheochromocytoma, Metastatic
Lung		Inflammation, Granulomatous Focal
Lymph node	Thymic Lymph Node Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Pressure Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder	Serosa	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Mammary gland

Dilatation, Ducts

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Prostate

Inflammation, Granulomatous Focal

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Brain		Astrocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Nos
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node		Fibrous Histiocytoma, Metastatic
	Mediastinal Lymph Node	Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
	Anterior Pituitary	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified		Fibrous Histiocytoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Dilatation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Dilatation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Centrilobular	Necrosis, Focal
Lymph node	Thymic Lymph Node	Inflammation, Granulomatous Focal
	Mandibular Lymph Node	Plasmacytosis
Preputial gland		Adenocarcinoma, Nos
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid	Follicle	Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal
Bone marrow		Fibrosis, Myelo
Heart	Left Atrium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver	Centrilobular Bile Duct	Cytoplasmic Vacuolization Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Multiple
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Fibroadenoma
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
Mammary gland		Galactocele
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Skin	Hip	Keratoacanthoma
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Pheochromocytoma
Nephropathy
Cytoplasmic Change, Basophilic
Degeneration, Cystic

Bile Duct

Hyperplasia, Focal
Inflammation, Acute Focal

Lymph node
Testis

Mandibular Lymph Node

Plasmacytosis
Degeneration, Nos
Hyperplasia, Interstitial Cell

Tubule

Interstitial-Cell Tumor

Urinary bladder

Tunica Vaginalis

Mesothelioma, Nos

Serosa

Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Posterior Chamber	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Granulomatous Focal
Skin	Upper Lip	Squamous Cell Papilloma
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Multiple Nephropathy
Liver		Cytoplasmic Change, Basophilic Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cell-Size Alteration
	Centrilobular	Cytoplasmic Vacuolization
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Cyst, Embryonal Duct
	Intermedia	Hyperplasia, Focal
Testis		Aspermatogenesis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
Brain	Meninges	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Dilatation, Sinus
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Plasmacytosis
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Femur	Osteosclerosis
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Hemorrhagic
Prostate		Inflammation, Active Chronic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver

Medulla
Myocardium Nos

Pheochromocytoma
Degeneration, Nos
Nephropathy
Angiectasis
Cytoplasmic Change, Basophilic
Hyperplasia, Focal
Plasmacytosis
Inflammation, Granulomatous Focal
Atrophy, Pressure
Interstitial-Cell Tumor
Hyperplasia, C Cell
Leukemia, Mononuclear Cell

Lymph node
Preputial gland
Testis

Bile Duct
Mandibular Lymph Node

Tubule

Thyroid
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Active Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Eye	Crystalline Lens Retina	Cataract Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung	Alveoli	Alveolar Macrophages Hemorrhage Pneumonia, Interstitial Chronic
Lymph node	Thymic Lymph Node Mandibular Lymph Node	Inflammation, Chronic Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spleen	Red Pulp	Necrosis, Focal
Testis	Tubule	Atrophy, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal Pheochromocytoma
Eye	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Inflammation, Granulomatous Focal
Lung	Bronchiole	Inflammation, Chronic Focal Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Dilatation, Nos
Pancreas		Dilatation, Ducts
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Spleen	Trabeculae	Hyperplasia, Focal
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pancreas		Dilatation, Ducts
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Ganglioneuroma
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Left Atrium Nos	Thrombosis, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Preputial gland		Adenocarcinoma, Nos
Prostate		Hyperplasia, Epithelial
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Dilatation, Ducts
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Cystic Ducts
		Inflammation, Granulomatous Focal
Prostate		Hyperplasia, Epithelial
Spleen	Red Pulp	Fibrosis, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Bone	Femur	Osteosclerosis
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
Lymph node	Bile Duct Thymic Lymph Node Thymic Lymph Node Mandibular Lymph Node	Hyperplasia, Focal Depletion, Lymphoid Inflammation, Active Chronic Plasmacytosis
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Focal
Eye	Retina	Atrophy, Focal
Heart	Myocardium Nos	Degeneration, Nos
	Left Atrium Nos	Thrombosis, Nos
Intestine Small	Mesentery Nos	Hyperplasia, Focal
	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Thymic Lymph Node	Depletion, Lymphoid
	Thymic Lymph Node	Inflammation, Active Chronic
	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
		Dilatation, Ducts
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Dilatation, Nos
Kidney	Cortex	Cyst, Nos
	Medulla	Hyperplasia, Epithelial
		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Thymic Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Parathyroid gland		Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Necrosis, Nos
Eye	Crystalline Lens	Cataract
	Retina	Degeneration, Nos
	Posterior Chamber	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Stomach	Cardiac Stomach	Hyperkeratosis
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy, Focal
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Dilatation, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
	Hepatocytes	Necrosis, Focal
Lymph node	Mesenteric Lymph Node	Cyst, Multiple
	Mesenteric Lymph Node	Depletion, Lymphoid
	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Cortex Nos

Focal Cellular Change

Brain

Cerebrum

Atrophy, Pressure

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Focal Cellular Change
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Prostate		Inflammation, Active Chronic
Salivary gland		Atrophy, Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Degeneration, Cystic
		Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Inflammation, Necro Granulomatous
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Spleen		Depletion, Lymphoid
Trachea	Peritracheal Tissue	Inflammation, Necro Granulomatous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Heart

Myocardium Nos

Hyperplasia, Focal

Kidney

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Bile Duct

Degeneration, Cystic

Hyperplasia, Focal

Galactocele

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Inflammation, Granulomatous Focal

Adenoma, Nos

Spleen

Red Pulp

Infarct, Nos

Testis

Tubule

Atrophy, Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex Medulla	Cyst, Multiple Hyperplasia, Epithelial Nephropathy
Liver		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node Thymic Lymph Node	Plasmacytosis Plasmacytosis
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Active Chronic
Stomach	Cardiac Stomach Cardiac Stomach	Acanthosis Hyperkeratosis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Aspiration, Foreign Body
		Congestion, Acute
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas		Dilatation, Ducts
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Aspiration, Foreign Body
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Thorax	Keratoacanthoma
Stomach	Fundus	Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Epicardium

Inflammation, Acute/Chronic

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Centrilobular

Necrosis, Focal

Testis

Tunica Vaginalis

Interstitial-Cell Tumor

Unspecified

Mediastinum Nos

Mesothelioma, Nos

Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Aspiration, Foreign Body
Lymph node	Thymic Lymph Node	Inflammation, Granulomatous Focal
	Mandibular Lymph Node	Plasmacytosis
Parathyroid gland		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Atrophy, Nos
		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Fibrosis, Multifocal
	Cortex Nos	Focal Cellular Change
	Cortex Nos	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Liver		Clear-Cell Change
	Bile Duct	Hyperplasia, Focal
Lung		Aspiration, Foreign Body
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Thorax	Basal-Cell Tumor
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Dilatation, Ducts
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Dilatation, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Periportal	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Lymph node	Thymic Lymph Node	Hemorrhage
Mammary gland		Dilatation, Ducts
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mesenteric Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
	Thymic Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Hyperplasia, Epithelial
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lymph node	Thymic Lymph Node	Dilatation, Sinus
	Inguinal Lymph Node	Inflammation, Chronic
Preputial gland		Adenocarcinoma, Nos
Prostate		Inflammation, Acute Diffuse
Spleen	Red Pulp	Hematopoiesis
Testis		Interstitial-Cell Tumor
Thymus		Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mediastinal Lymph Node	Inflammation, Granulomatous
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Lung

Hyperplasia, Alveolar Epithelium

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Thymic Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Dilatation, Ducts
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Skin	Foot And Toe Nos	Acanthosis
	Foot And Toe Nos	Hyperkeratosis
	Dermis	Inflammation, Active Chronic
Unspecified	Tail	Fibrosarcoma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Neoplastic Nodule
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Trabeculae	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Duodenum	Hyperplasia, Epithelial
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Brain	Cerebrum	Carcinoma, Nos, Invasive
	Lateral Ventricle Nos	Hydrocephalus, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen	Red Pulp	Infarct, Acute
Stomach	Cardiac Stomach	Acanthosis
	Cardiac Stomach	Hyperkeratosis
	Cardiac Stomach	Inflammation, Active Chronic
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Left Atrium Nos	Thrombosis, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
	Islets	Islet-Cell Adenoma
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cyst, Nos

Heart

Medulla

Necrosis, Focal

Liver

Myocardium Nos

Degeneration, Nos

Lung

Bile Duct

Hyperplasia, Focal

Pancreas

Acinus

Inflammation, Active Chronic

Pituitary gland

Anterior Pituitary

Atrophy, Focal

Stomach

Fundus

Adenoma, Nos

Unspecified

Multiple Organs Nos

Necrosis, Focal

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Fibrosis, Diffuse
Salivary gland		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Thorax	Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lung		Hemorrhage
		Inflammation, Interstitial
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Right Atrium Nos

Dilatation, Nos

Left Atrium Nos

Thrombosis, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Lymph node

Mandibular Lymph Node

Plasmacytosis

Mammary gland

Hyperplasia, Focal

Skin

Scrotum

Keratoacanthoma

Testis

Tubule

Atrophy, Focal

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Dilatation, Sinus
	Thymic Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Cyst, Embryonal Duct
Skin	Nose	Squamous Cell Papilloma
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Foot	Inflammation, Active Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone	Femur	Osteosclerosis
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Cyst, Multiple
	Mandibular Lymph Node	Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Embryonal Duct
Preputial gland		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Embryonal Duct
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Heart

Medulla

Pheochromocytoma

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Bile Duct

Nephropathy

Lymph node

Mandibular Lymph Node

Hyperplasia, Focal

Pancreas

Acinus

Plasmacytosis

Preputial gland

Testis

Tubule

Atrophy, Focal

Inflammation, Granulomatous Focal

Atrophy, Pressure

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla
Myocardium Nos
Cortex

Pheochromocytoma
Degeneration, Nos
Cyst, Nos
Nephropathy
Hyperplasia, Focal
Plasmacytosis
Hyperplasia, Focal
Squamous Cell Papilloma
Atrophy, Focal
Interstitial-Cell Tumor
Hyperplasia, C Cell

Liver
Lymph node
Pituitary gland
Skin
Testis

Bile Duct
Mandibular Lymph Node
Anterior Pituitary
Ear
Tubule

Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Liver

Bile Duct

Hyperplasia, Focal

Hepatic Sinusoid

Leukocytosis, Nos

Lung

Congestion, Nos

Inflammation, Interstitial

Lymph node

Mandibular Lymph Node

Inflammation, Chronic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Eye	Crystalline Lens	Cytoplasmic Vacuolization
Harderian gland	Harderian Gland	Hyperplasia, Epithelial
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Edema, Interstitial
		Perivasculitis
Lymph node	Mandibular Lymph Node	Plasmacytosis
Preputial gland		Hyperplasia, Focal
		Inflammation, Active Chronic
Skin	Neck	Basal-Cell Tumor
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Brain		Hemorrhage
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Cystic Ducts
		Hyperplasia, Nos
Skin	Thorax	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Medulla	Pheochromocytoma
Brain	Cerebrum	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Periportal	Cytoplasmic Vacuolization
		Degeneration, Cystic
Pancreas		Cystic Ducts
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Cardiac Stomach	Acanthosis
	Cardiac Stomach	Hyperkeratosis
Testis		Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Epicardium	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Centrilobular	Congestion, Chronic Passive
	Bile Duct	Hyperplasia, Focal
Lung	Mediastinal Pleura	Inflammation, Chronic Diffuse
		Squamous Cell Carcinoma
Lymph node	Mediastinal Lymph Node	Squamous Cell Carcinoma, Metastatic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Glomerulus	Cyst, Nos
		Nephropathy
Liver		Clear-Cell Change
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Degeneration, Nos

Thymus

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Lymph node	Thymic Lymph Node	Lymphangiectasis
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Focal
		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Left Atrium Nos	Thrombus, Fibrin
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Thymic Lymph Node	Inflammation, Chronic Focal
	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Brain	Cerebrum	Atrophy, Pressure
Epididymis		Inflammation, Acute/Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
	Centrilobular	Necrosis, Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Degeneration, Nos Hyperplasia, Focal Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Active Chronic
Testis	Tubule	Atrophy, Focal Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Axilla	Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
	Centrilobular	Necrosis, Focal
Lung	Alveoli	Hemorrhage, Chronic
		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Plasmacytosis
Testis		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Inflammation, Granulomatous Focal
Lymph node	Mesenteric Lymph Node Mandibular Lymph Node	Cyst, Multiple Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure Interstitial-Cell Tumor
Unspecified	Ear Multiple Organs Nos	Fibrosarcoma Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Embryonal Duct
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Heart

Myocardium Nos

Pheochromocytoma

Kidney

Left Atrium Nos

Degeneration, Nos

Liver

Bile Duct

Thrombosis, Nos

Testis

Centrilobular

Nephropathy

Thyroid

Unspecified

Multiple Organs Nos

Hyperplasia, Focal

Necrosis, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver	Hepatic Sinusoid Bile Duct	Cyst, Hemorrhagic Hyperplasia, Focal Hyperplasia, Focal
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Esophagus		Wound, Lacerated
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen	Red Pulp	Necrosis, Ischemic
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary Anterior Pituitary	Cyst, Embryonal Duct Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Lymph node

Mandibular Lymph Node

Plasmacytosis

Mammary gland

Galactocele

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Heart

Myocardium Nos

Pheochromocytoma

Intestine Small

Mesentery Nos

Degeneration, Nos

Kidney

Inflammation, Granulomatous Focal

Liver

Bile Duct

Nephropathy

Hyperplasia, Focal

Lymph node

Mandibular Lymph Node

Inflammation, Granulomatous Focal

Mammary gland

Plasmacytosis

Pancreas

Hyperplasia, Focal

Pituitary gland

Anterior Pituitary

Periarteritis

Preputial gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Salivary gland

Inflammation, Chronic Focal

Testis

Tubule

Atrophy, Focal

Atrophy, Pressure

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Diffuse
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Spleen		Infarct, Hemorrhagic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Necrosis, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Testis	Tubule	Atrophy, Focal
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
	Tubule	Pigmentation, Nos
Liver	Centrilobular	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Thoracic Lymph Node	Histiocytosis
	Mandibular Lymph Node	Inflammation, Granulomatous Focal
	Thoracic Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Adenoma, Nos
Peritoneum		Mesothelioma, Nos
Pituitary gland	Anterior Pituitary	Hemorrhage, Chronic
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Active Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Degeneration, Cystic

Lymph node

Bile Duct

Hyperplasia, Focal

Preputial gland

Mandibular Lymph Node

Cyst, Multiple

Testis

Mandibular Lymph Node

Plasmacytosis

Thyroid

Tubule

Inflammation, Chronic Focal

Atrophy, Pressure

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Thymic Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Galactocele
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Skin	Lip Nos	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Unspecified	Lip Nos	Inflammation, Active Chronic
	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Calculus, Microscopic Examination

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Focal
	Islets	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Pressure
		Interstitial-Cell Tumor
Thyroid	Follicle	Cyst, Multiple
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Esophagus

Periesophageal Tissue

Inflammation, Acute/Chronic

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis	Epididymal Cytologic Material	Mineralization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Lymphocytic Inflammatory Infiltrate
		Nephropathy
Liver		Degeneration, Cystic
Lung		Inflammation, Interstitial
Parathyroid gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Acute Focal
Spleen		Hemorrhage
Stomach	Cardiac Stomach	Ulcer, Acute
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55050

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tetrakis(hydroxymethyl)phosphonium sulfate
CAS Number: 55566-30-8

Date Report Requested: 10/26/2014

Time Report Requested: 10:52:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Testis	Tubule	Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE