

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

C Number: C56064

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_051

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Inflammation, Nos
Lung		Inflammation, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Testis		Degeneration, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_052

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Edema, Nos
Prostate		Inflammation, Nos
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_053

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone

Vertebral Joint

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Prostate

Inflammation, Nos

Testis

Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_054

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Sychondrosis

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Inflammation, Nos

Spleen

Scar

Testis

Degeneration, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_055

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity	Turbinates Nos	Exostosis
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
		Inflammation, Nos
Prostate		Atrophy, Nos
Spleen		Scar
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_056

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Joint Nos	Degeneration, Nos
	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephroblastoma
		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_057

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Artery Nos	Periarteritis
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
	Intervertebral Disc Nos	Prolapse
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Hyperplasia, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Spinal cord		Atrophy, Pressure
Testis		Degeneration, Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_058

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Granuloma, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Scar
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_059

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Leg	Fibroma
	Shoulder Nos	Osteosarcoma
	Multiple Organs Nos	Osteosarcoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_060

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Necrosis, Nos
Lymph node		Hemorrhage
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
Unspecified	Neck	Neurilemoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_061

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_062

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Salivary gland		Atrophy, Focal
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_063

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hypertrophy, Focal
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Reticulum Cell
Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Granuloma, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Cyst, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Skin		Sebaceous Adenoma
Testis		Degeneration, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_064

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Ear	Canal	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Necrosis, Nos
Lung		Inflammation, Nos
Preputial gland		Inflammation, Nos
Salivary gland		Nuclear Alteration
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_065

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Brain	Meninges	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Nos
Skin		Cyst, Epidermal Inclusion
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_066

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos Sternal Synchrondrosis Vertebral Joint	Degeneration, Nos Degeneration, Nos Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_067

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma, Malignant
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Hyperplasia, Focal
		Nephropathy
Liver		Accessory Structure
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Lymph node		Cyst, Nos
		Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Chronic
Skin		Cyst, Epidermal Inclusion
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_068

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Artery Nos	Periarteritis
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_069

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Sychondrosis

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Mammary gland

Adenocarcinoma, Nos

Preputial gland

Inflammation, Nos

Prostate

Inflammation, Nos

Skin

Sebaceous Adenoma

Testis

Degeneration, Nos

Thyroid

Hyperplasia, Interstitial Cell

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_070

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Bone	Knee Joint Nos Sternal Synchrondrosis	Degeneration, Nos Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_071

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchrondrosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_072

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchrondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_073

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Prostate		Atrophy, Nos
Testis		Degeneration, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_074

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone		Deformity, Nos
	Knee Joint Nos	Degeneration, Nos
Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Histiocytosis
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_075

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Cyst, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Salivary gland		Hyperplasia, Focal
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_076

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Cyst, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Spleen		Hemangiosarcoma
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_077

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos Sternal Synchrondrosis	Degeneration, Nos Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_078

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		C-Cell Adenoma
Unspecified		Fibrosarcoma
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Mesothelioma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_079

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Sychondrosis

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Inflammation, Nos

Prostate

Inflammation, Nos

Salivary gland

Nuclear Alteration

Spleen

Scar

Testis

Degeneration, Nos

Thyroid

Follicle

Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_080

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
		Tubular-Cell Adenocarcinoma
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Inflammation, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_081

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Regeneration, Nodular
Prostate		Inflammation, Nos
Salivary gland		Atrophy, Focal
		Metaplasia, Squamous
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_082

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Joint Nos

Degeneration, Nos

Knee Joint Nos

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Accessory Structure

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Adenoma, Nos

Prostate

Inflammation, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_083

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_084

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Brain	Cortex	Atrophy, Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
Lung		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Inflammation, Chronic Necrotizing
Trachea	Cartilage	Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_085

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Nos
Skin		Trichoepithelioma
Testis		Degeneration, Nos
Thyroid	Follicle	Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_086

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Joint Nos	Degeneration, Nos
	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Hepatocytes	Degeneration, Nos
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Congestion, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Salivary gland		Atrophy, Focal
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea	Submucosa	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_087

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Skin		Sebaceous Adenoma
Stomach	Glandular Stomach	Erosion
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_088

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Nasal cavity		Inflammation, Nos
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_089

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_090

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Sychondrosis

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Parathyroid gland

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Adenoma, Nos

Carcinoma, Nos

Testis

Inflammation, Nos

Degeneration, Nos

Thymus

Interstitial-Cell Tumor

Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_091

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma, Malignant
Blood vessel	Artery Nos	Periarteritis
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thymus		Thymoma, Benign
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_092

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchrondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Histiocytosis
		Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_093

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone

Cortex Nos
Knee Joint Nos
Sternal Sychondrosis
Vertebral Joint

Accessory Structure
Degeneration, Nos
Degeneration, Nos
Degeneration, Nos
Atrophy, Nos

Epididymis

Eye

Nasolacrimal Duct

Inflammation, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Pituitary gland

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Anterior Pituitary

Hyperplasia, Focal

Skin

Inflammation, Nos

Testis

Sebaceous Adenoma

Degeneration, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_094

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Accessory Structure
		Angiectasis
Pancreas	Intrahepatic Bile Duct	Hyperplasia, Nos
Testis		Atrophy, Focal
Unspecified		Degeneration, Nos
Zymbal gland	Multiple Organs Nos	Fibrosarcoma
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_095

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_096

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Synchrondrosis

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Bone marrow

Hypoplasia, Nos

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Preputial gland

Intrahepatic Bile Duct

Hyperplasia, Nos

Prostate

Inflammation, Nos

Spinal cord

Inflammation, Nos

Testis

Cyst, Nos

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_097

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Chronic Suppurative
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_098

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Diffuse
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Scar
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_099

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchrondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Eye		Phthisis Bulbi
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_100

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 620 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Eye	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Prostate		Cyst, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Nos
Skin		Cyst, Epidermal Inclusion
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Vertebral Joint

Degeneration, Nos

Epididymis

Dilatation, Nos

Harderian gland

Harderian Gland

Lymphocytic Inflammatory Infiltrate

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Pancreas

Atrophy, Focal

Preputial gland

Adenoma, Nos

Prostate

Inflammation, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Joint Nos

Degeneration, Nos

Knee Joint Nos

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Preputial gland

Inflammation, Nos

Testis

Degeneration, Nos

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos Sternal Synchrondrosis Vertebral Joint	Degeneration, Nos Degeneration, Nos Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
Preputial gland		Carcinoma, Nos Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Degeneration, Nos
	Tunica Vaginalis	Interstitial-Cell Tumor
Thyroid		Mesothelioma, Nos
		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland		Hyperplasia, Cystic
Preputial gland		Carcinoma, Nos
		Inflammation, Nos
Skin		Papilloma, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Hyperplasia, Cystic
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Maxilla	Exostosis
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Inflammation, Nos
Lymph node		Hemorrhage
		Plasmacytosis
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Necrosis, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node		Cyst, Nos
Pancreas		Atrophy, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Scar
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
		Granuloma, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
	Tunica Vaginalis	Hyperplasia, Mesothelial
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Knee Joint Nos

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Mammary gland

Hyperplasia, Cystic

Pancreas

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Preputial gland

Adenoma, Nos

Prostate

Inflammation, Nos

Testis

Inflammation, Nos

Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow
Heart
Kidney
Liver
Pancreas
Preputial gland

Testis

Cortex Nos

Myocardium Nos

Intrahepatic Bile Duct

Accessory Structure
Hyperplasia, Nos
Degeneration, Nos
Nephropathy
Hyperplasia, Nos
Atrophy, Focal
Carcinoma, Nos
Inflammation, Nos
Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Nitrofurazone
CAS Number: 59-87-0

Date Report Requested: 10/26/2014
Time Report Requested: 12:54:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 310 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone	Knee Joint Nos	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Stomach	Glandular Stomach	Hyperplasia, Lymphoid
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Brain		Astrocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Knee Joint Nos

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Hyperplasia, Nos

Prostate

Inflammation, Nos

Testis

Inflammation, Nos

Unspecified

Degeneration, Nos

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Artery Nos

Periarteritis

Bone

Knee Joint Nos

Degeneration, Nos

Heart

Myocardium Nos

Fibrous Osteodystrophy

Kidney

Degeneration, Nos

Liver

Intrahepatic Bile Duct

Nephropathy

Lung

Hyperplasia, Nos

Pancreas

Hyperplasia, Alveolar Epithelium

Parathyroid gland

Atrophy, Focal

Preputial gland

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Vertebra	Chordoma
	Sternal Synchondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas	Islets	Hypertrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Salivary gland		Nuclear Alteration
Seminal vesicle		Dilatation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Preputial gland		Hyperplasia, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Mesothelioma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Blood vessel	Artery Nos	Periarteritis
Bone	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
	Cortex	Lipoma
		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Foreign Material, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Sternal Synchronosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Accessory Structure
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Nos
Preputial gland		Inflammation, Nos
Skin		Cyst, Epidermal Inclusion
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Material, Nos
		Inflammation, Suppurative
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos Vertebral Joint	Degeneration, Nos Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Hyperplasia, Epithelial
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Eye		Phthisis Bulbi
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Hyperplasia, Cystic
Skin		Cyst, Epidermal Inclusion
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos Sternal Synchrondrosis Vertebral Joint	Degeneration, Nos Degeneration, Nos Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Spleen		Scar
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Seminal vesicle		Hyperplasia, Epithelial
Spleen		Scar
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Hyperplasia, Nos
Seminal vesicle		Hyperplasia, Epithelial
Spleen		Scar
Testis		Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
	Hepatocytes	Regeneration, Nodular
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Hyperplasia, Lymphoid
Testis		Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Sternal Synchrondrosis

Degeneration, Nos

Vertebral Joint

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Alveolar Epithelium

Lymph node

Hemorrhage

Mammary gland

Hyperplasia, Cystic

Pancreas

Atrophy, Focal

Preputial gland

Carcinoma, Nos

Spinal cord

White Matter Spinal Cord

Degeneration, Nos

Testis

Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Sternal Synchronosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Accessory Structure
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchrondrosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Accessory Structure
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Intestine Large	Intestinal Tract	Sarcoma, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hypertrophy, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Cystic
Preputial gland		Carcinoma, Nos
		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Synchrondrosis

Degeneration, Nos

Bone marrow

Hyperplasia, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Nos

Preputial gland

Carcinoma, Nos

Prostate

Inflammation, Nos

Stomach

Glandular Stomach

Cyst, Nos

Testis

Degeneration, Nos

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Cystic
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Nos
Salivary gland		Nuclear Alteration
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Bone

Knee Joint Nos

Degeneration, Nos

Sternal Synchronosis

Degeneration, Nos

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Nasal cavity

Inflammation, Nos

Pancreas

Atrophy, Focal

Preputial gland

Inflammation, Nos

Testis

Degeneration, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Cortex Nos	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Bone	Sternal Synchrondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Angiectasis
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Intestinal Tract	Hyperplasia, Lymphoid
Kidney		Nephropathy
Liver		Accessory Structure
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Sternal Synchronosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Degeneration, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Adenoma
Preputial gland		Hyperplasia, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchrondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Infection, Fungal
Pancreas		Atrophy, Focal
	Islets	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Salivary gland		Nuclear Alteration
Seminal vesicle		Hyperplasia, Epithelial
Spleen		Scar
Stomach	Glandular Stomach	Cyst, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 310 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_101

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Bone	Knee Joint Nos	Degeneration, Nos
Brain	Meninges	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
	Alveoli	Edema, Nos
Pituitary gland	Anterior Pituitary	Hemorrhage
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_102

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Bone

Sternal Synchrondrosis

Degeneration, Nos

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Salivary gland

Cyst, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_103

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hypertrophy, Focal Pheochromocytoma, Malignant
Bone	Vertebral Joint	Degeneration, Nos
Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Stomach	Forestomach	Ulcer, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_104

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_105

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchronosis Vertebral Joint	Degeneration, Nos Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_106

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Intermedia	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_107

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Accessory Structure
	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Nos
	Cortex Nos	Hypertrophy, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_108

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Sternal Synchrondrosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Skin	Tail	Cyst, Epidermal Inclusion
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_109

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Fibrosarcoma
Kidney		Nephropathy
Liver		Fibrosarcoma, Metastatic
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_110

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	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
Testis		Inflammation, Nos
Thyroid	Follicle	Interstitial-Cell Tumor Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_111

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone	Sternal Sychondrosis	Degeneration, Nos
Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Degeneration, Cystic
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
	Hepatocytes	Regeneration, Nodular
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Spleen		Scar
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_112

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Salivary gland		Atrophy, Focal
Seminal vesicle		Atrophy, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_113

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Artery Nos	Periarteritis
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Ileum, Ileum	Mucinous Adenocarcinoma
Kidney		Nephropathy
Lymph node		Granulation Tissue
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_114

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Bone

Knee Joint Nos

Pheochromocytoma

Epididymis

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Degeneration, Nos

Liver

Hepatocytes

Nephropathy

Nasal cavity

Intrahepatic Bile Duct

Focal Cellular Change

Pancreas

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Nos

Preputial gland

Atrophy, Focal

Prostate

Hyperplasia, Cystic

Testis

Inflammation, Nos

Thymus

Inflammation, Nos

Thyroid

Interstitial-Cell Tumor

Cyst, Nos

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_115

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Stem	Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_116

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Accessory Structure
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_117

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Epididymis		Cytoplasmic Change, Basophilic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Nos
Nasal cavity		Inflammation, Nos
Preputial gland		Adenoma, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_118

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Medulla

Pheochromocytoma

Bone

Sternal Synchronosis

Degeneration, Nos

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Preputial gland

Inflammation, Nos

Prostate

Inflammation, Nos

Testis

Degeneration, Nos

Thyroid

Interstitial-Cell Tumor

Unspecified

C-Cell Adenoma

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_119

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Sternal Sychondrosis	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Seminal vesicle		Atrophy, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_120

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_121

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver		Accessory Structure
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Lymph node		Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Salivary gland		Atrophy, Focal
Spleen		Hemangioma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_122

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
	Vertebra	Exostosis
	Intervertebral Disc Nos	Prolapse
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver		Granuloma, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Salivary gland		Nuclear Alteration
Spinal cord		Atrophy, Pressure
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_123

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
		Hepatocellular Carcinoma
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_124

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

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Preputial gland

Adenoma, Nos

Testis

Tunica Vaginalis

Inflammation, Nos

Hyperplasia, Mesothelial

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_125

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Necrosis, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Dilatation, Nos
Spleen		Hematopoiesis
		Inflammation, Acute
Testis		Interstitial-Cell Tumor
Unspecified	Axilla	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_126

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
	Medulla	Pheochromocytoma
Bone	Sternal Synchondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Nos
Pancreas		Atrophy, Focal
Prostate		Inflammation, Nos
Spleen		Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_127

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
Intestine Small	Jejunum	Leiomyosarcoma
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos Neoplastic Nodule
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Testis		Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_128

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_129

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	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_130

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_131

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_132

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Sternal Synchondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Skin	Tail	Cyst, Epidermal Inclusion
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_133

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Sternal Synchronosis	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_134

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone	Sternal Synchronosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Reticulum Cell
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Salivary gland		Atrophy, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_135

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

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Preputial gland

Inflammation, Nos

Stomach

Glandular Stomach

Cyst, Nos

Testis

Glandular Stomach

Hyperplasia, Lymphoid

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_136

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
	Hepatocytes	Regeneration, Nodular
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Cystic
Preputial gland		Inflammation, Nos
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_137

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Vertebral Joint	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_138

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity		Inflammation, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Acute/Chronic
Seminal vesicle		Inflammation, Chronic Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_139

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchrondrosis	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Accessory Structure
	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Diffuse
Preputial gland		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
		Hemorrhage
Spleen		Sarcoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_140

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Bone	Knee Joint Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes Intrahepatic Bile Duct	Focal Cellular Change Hyperplasia, Nos
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Salivary gland		Nuclear Alteration
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_141

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Nasal cavity

Pancreas

Prostate

Testis

Unspecified

Hepatocytes

Multiple Organs Nos

Nephropathy

Degeneration, Nos

Inflammation, Nos

Atrophy, Focal

Inflammation, Nos

Degeneration, Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_142

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma, Malignant

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Preputial gland

Inflammation, Nos

Prostate

Atrophy, Nos

Seminal vesicle

Atrophy, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_143

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Sternal Synchronosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Hyperplasia, Focal
		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Hemorrhage
Pancreas		Adenoma, Nos
		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Seminal vesicle		Cyst, Nos
Spinal cord	White Matter Spinal Cord	Degeneration, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_144

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Sternal Synchondrosis	Degeneration, Nos
	Vertebral Joint	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, Nos
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Salivary gland		Atrophy, Focal
Seminal vesicle		Atrophy, Nos
Spleen		Scar
Stomach	Glandular Stomach	Cyst, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_145

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchondrosis	Degeneration, Nos
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_146

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Nos
Prostate		Hyperplasia, Cystic
		Inflammation, Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_147

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Vertebral Joint	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pancreas		Atrophy, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_148

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Sternal Sychondrosis	Degeneration, Nos
Epididymis		Atrophy, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
	Islets	Hypertrophy, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Cystic
Preputial gland		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_149

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Knee Joint Nos Sternal Synchrondrosis	Degeneration, Nos Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Fibrous Histiocytoma, Malignant Fibrous Histiocytoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56064

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Nitrofurazone

CAS Number: 59-87-0

Date Report Requested: 10/26/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_150

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternal Synchondrosis	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Jejunum	Leiomyoma
Kidney		Nephropathy
Liver	Hepatocytes	Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
Preputial gland		Carcinoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****