

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C01832

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Lung	Inflammation, Chronic
Stomach	Cyst, Epidermal Inclusion
Trachea	Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Cartilage,Nos	Cyst, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Mucous Gland	Abscess, Nos
	Mucous Gland	Necrosis, Nos
Pancreas	Acinus	Atrophy, Nos
		Hyperplasia, Intraductal
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivasculitis
Trachea		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Inflammation, Focal
Preputial gland		Abscess, Nos
		Hyperplasia, Nos
Prostate		Hyperplasia, Papillary
		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Atelectasis
		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Adenocarcinoma, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Focal
Pituitary gland		Hyperplasia, Nos
Prostate		Hyperplasia, Papillary
		Inflammation, Nos
		Metaplasia, Squamous
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic Focal
Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Chronic
		Perivasculitis
Trachea		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Lymph node

Hyperplasia, Reticulum Cell

Pancreas

Inflammation, Nos

Spleen

Hyperplasia, Erythroid

Testis

Tubule

Hyperplasia, Reticulum Cell

Degeneration, Nos

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Prostate

Inflammation, Focal

Spleen

Hyperplasia, Erythroid

Stomach

Hyperplasia, Reticulum Cell

Testis

Ulcer, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Liver  
  
Pituitary gland  
Testis  
Trachea

Cortex Nos  
Myocardium Nos  
Peyers Patch  
  
Bile Duct

Hyperplasia, Nos  
Inflammation, Interstitial  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Nos  
Necrosis, Focal  
Adenoma, Nos  
Interstitial-Cell Tumor  
Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Myocardium Nos

Inflammation, Nos

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Nos

Pancreas

Inflammation, Nos

Prostate

Inflammation, Nos

Stomach

Paraganglioma, Nos

Testis

Hyperplasia, Nos

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Trachea	Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain		Astrocytoma
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Mucous Gland

Hyperplasia, Adenomatous

Stomach

Hyperplasia, Nos

Testis

Ulcer, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Nos

Bronchiole

Inflammation, Focal

Lung

Hyperplasia, Nos

Mammary gland

Inflammation, Nos

Pancreas

Inflammation, Focal

Prostate

Interstitial-Cell Tumor

Testis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Necrosis, Focal
Lung	Bronchiole	Inflammation, Nos
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Spleen		Hyperplasia, Erythroid
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Nematodiasis
Liver	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Inflammation, Chronic
Trachea		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Liver

Medulla  
Myocardium Nos  
Peyers Patch

Bile Duct

Prostate  
Stomach  
Testis  
Thyroid

Hyperplasia, Nos  
Inflammation, Interstitial  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Nos  
Necrosis, Coagulative  
Inflammation, Nos  
Hyperplasia, Nos  
Interstitial-Cell Tumor  
Hyperplasia, Adenomatous

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Nos
		Metaplasia, Squamous
Spleen		Reticulocytosis
Stomach		Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivasculitis
Testis		Aspermatogenesis Atrophy, Nos
Trachea		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Metamorphosis, Fatty

Lymph node

Hyperplasia, Reticulum Cell

Pancreas

Islets

Hyperplasia, Nos

Pituitary gland

Hyperplasia, Chromophobe Cell

Spleen

Hyperplasia, Erythroid

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Calcification, Nos
	Medulla	Necrosis, Nos
		Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Periportal	Fibrosis
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Inflammation, Suppurative
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Spleen		Fibrosis
		Infarct, Healed
		Thrombosis, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lymph node

Mammary gland

Pancreas

Pituitary gland

Prostate

Spleen

Stomach

Testis

Myocardium Nos

Bile Duct

Mediastinal Lymph Node

Pheochromocytoma

Fibrosis

Glomerulonephritis, Nos

Hyperplasia, Nos

Plasmacytosis

Hyperplasia, Nos

Inflammation, Nos

Adenoma, Nos

Inflammation, Nos

Hyperplasia, Erythroid

Hyperplasia, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Hypertrophy, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Lung

Bronchus

Inflammation, Chronic

Trachea

Perivasculitis

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, Reticulum Cell
Pancreas	Islets	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Focal
Lymph node		Inflammation, Nos
Pituitary gland	Lymphatic Vessels	Chromophobe Adenoma
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Aorta Nos

Inflammation, Chronic Focal

Lung

Bronchus

Inflammation, Chronic

Trachea

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lymph node

Pituitary gland

Prostate

Testis

Thyroid

Myocardium Nos

Bile Duct

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Hyperplasia, Nos

Chromophobe Adenoma

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 2,5-Toluenediamine sulfate  
**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 17:04:58  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_038

**TRT#:** 1  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland		Adenocarcinoma, Nos, Metastatic
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Adenocarcinoma, Nos, Metastatic
Lymph node		Adenocarcinoma, Nos, Metastatic
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Hyperplasia, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Adenocarcinoma, Nos
Trachea		Adenocarcinoma, Nos, Metastatic

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Pituitary gland

Chromophobe Adenoma

Spleen

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Liver  
  
Lymph node  
Mammary gland  
Pituitary gland  
Prostate  
  
Spleen  
Testis  
  
Trachea

Myocardium Nos  
Peyers Patch  
  
Bile Duct

Pheochromocytoma  
Fibrosis  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Nos  
Chromophobe Adenoma  
Hyperplasia, Focal  
Inflammation, Nos  
Hyperplasia, Reticulum Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivasculitis
Trachea		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01832

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 2,5-Toluenediamine sulfate

CAS Number: 6369-59-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:04:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Nematodiasis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Focal
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Stomach		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Lung

Bronchus

Inflammation, Chronic

Trachea

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Prostate		Hyperplasia, Focal
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Spleen

Testis

Ventricle

Tubule

Pheochromocytoma

Fibrosis

Necrosis, Nos

Nephrosis, Nos

Inflammation, Chronic

Metamorphosis, Fatty

Hematopoiesis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pancreas

Testis

Islets

Nephrosis, Nos

Islet-Cell Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Pituitary gland

Testis

Pheochromocytoma

Nephrosis, Nos

Adenoma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Prostate

Testis

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Inflammation, Suppurative

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**DOSE:** 500 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Prostate

Testis

Nephrosis, Nos

Inflammation, Acute

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Mammary gland

Pituitary gland

Testis

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Fibroadenoma

Adenoma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hepatocellular Carcinoma

Skin

Squamous Cell Carcinoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Neoplastic Nodule

Testis

Interstitial-Cell Tumor

Unspecified

Groin

Lipoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Pancreas

Islets

Islet-Cell Adenoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

Urinary bladder

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Interstitial
Lung	Bronchus	Abscess, Nos
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
	Acinus	Inflammation, Nos
Trachea		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hepatocytes

Degeneration, Nos

Testis

Hepatocytes

Hyperplasia, Focal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Preputial gland

Hyperplasia, Nos

Skin

Abscess, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Inflammation, Nos

Cornea

Ulcer, Nos

Kidney

Nephrosis, Nos

Lung

Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Testis		Interstitial-Cell Tumor
Unspecified		Granulation Tissue
	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type
		Necrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Spleen

Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Lung

Cyst, Embryonal Duct

Testis

Interstitial-Cell Tumor

Thyroid

Papillary Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Testis

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Lung		Papillary Adenocarcinoma, Metastatic
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor
Thyroid		Papillary Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:58

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Body Cavities

Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Spleen

Erythropoiesis

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Testis

Thymus

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Interstitial-Cell Tumor

Thymoma, Benign

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Urinary bladder

Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Preputial gland  
Testis  
Thyroid  
Urinary bladder

Nephrosis, Nos  
Dilatation, Nos  
Interstitial-Cell Tumor  
Papillary Adenocarcinoma  
Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Testis

Nephrosis, Nos  
Adenoma, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic Diffuse

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Salivary gland  
Testis

Nephrosis, Nos  
Cyst, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Testis

Pheochromocytoma, Malignant

Nephrosis, Nos

Pheochromocytoma, Metastatic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lymph node

Mammary gland

Testis

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Plasmacytosis

Hyperplasia, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma, Malignant

Heart

Myocardium Nos  
Fibrosis, Focal

Testis

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Larynx

Lung

Testis

Myocardium Nos

Pheochromocytoma

Degeneration, Nos

Nephrosis, Nos

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Ear	Canal	Squamous Cell Carcinoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Lung		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Brain

Hemorrhage

Kidney

Nephrosis, Nos

Liver

Metamorphosis, Fatty

Mammary gland

Lactation

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Aorta Nos

Calcification, Focal

Brain

Hemorrhage

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephrosis, Nos

Liver

Fibrosis, Cholangio

Mammary gland

Lactation

Testis

Atrophy, Nos

Calcification, Focal

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Necrosis, Focal

Mammary gland

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

Trachea

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Larynx

Lung

Testis

Nephrosis, Nos

Inflammation, Acute/Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Periarteritis
Kidney	Nephrosis, Nos
Larynx	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Atrophy, Nos
	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Larynx		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Carcinoma
	Pleura Nos	Alveolar/Bronchiolar Carcinoma, Metastatic
		Pneumonia, Chronic Murine
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Calcification, Focal
		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Alveolar/Bronchiolar Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Lung

Inflammation, Interstitial

Mammary gland

Hyperplasia, Nos

Testis

Hyperplasia, Interstitial Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Larynx		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Mammary gland		Lactation
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney	Nephrosis, Nos
Lung	Pneumonia, Chronic Murine
Mammary gland	Fibroadenoma
	Lactation
Pituitary gland	Basophil Adenoma
Testis	Atrophy, Nos
	Calcification, Focal
	Interstitial-Cell Tumor
Urinary bladder	Calculus, Unknown Gross Or Micro

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Calcification, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Congestion, Chronic Passive
Mammary gland		Lactation
Preputial gland		Adenoma, Nos
Urinary bladder		Calculus, Unknown Gross Or Micro

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
	Bronchus	Bronchiectasis
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Liver		Metamorphosis, Fatty
Lung		Bronchopneumonia, Acute
Skeletal muscle		Calcification, Focal
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Larynx		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Larynx

Lung

Pituitary gland

Prostate

Testis

Myocardium Nos

Basophil

Pheochromocytoma

Degeneration, Nos

Nephrosis, Nos

Inflammation, Chronic

Pneumonia, Chronic Murine

Nodule

Atrophy, Nos

Atrophy, Nos

Calcification, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Abscess, Nos

Bronchus

Bronchiectasis

Preputial gland

Granuloma, Nos

Prostate

Carcinoma, Nos

Seminal vesicle

Atrophy, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hypertrophy, Focal

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bronchus

Inflammation, Focal

Testis

Inflammation, Interstitial

Hyperplasia, Interstitial Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney	Nephrosis, Nos
Mammary gland	Lactation
Prostate	Atrophy, Nos
Testis	Atrophy, Nos
	Interstitial-Cell Tumor
Urinary bladder	Calculus, Unknown Gross Or Micro

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Metamorphosis, Fatty
Mammary gland		Lactation
Skin	Tail	Necrosis, Nos
Stomach		Basal-Cell Carcinoma
		Cyst, Epidermal Inclusion
		Squamous Cell Papilloma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Larynx		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Adenoma
		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Basophil Adenoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_001

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_002

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_003

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Metamorphosis, Fatty

Preputial gland

Carcinoma, Nos

Testis

Interstitial-Cell Tumor

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_004

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pituitary gland

Testis

Nephrosis, Nos

Adenoma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_005

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_006

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Jejunum

Cystadenocarcinoma, Nos

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Adenoma, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_009

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Thyroid

Nephrosis, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_013

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_014

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Thyroid

Unspecified

Nephrosis, Nos

Interstitial-Cell Tumor

Cystadenocarcinoma, Nos

Scar

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Ear

Kidney

Testis

Unspecified

Urinary bladder

Multiple Organs Nos

Fibroma

Nephrosis, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_016

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Nephrosis, Nos

Cyst, Epidermal Inclusion

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_017

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_018

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_019

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_020

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_021

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Nephrosis, Nos

Interstitial-Cell Tumor

Scrotum Nos

Leiomyoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_022

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_023

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_024

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Urinary bladder

Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_025

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_026

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_027

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_028

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cortex

Cyst, Nos

Cortex

Hemorrhage

Cortex

Metamorphosis, Fatty

Testis

Nephrosis, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_029

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Preputial gland  
Testis

Tubule

Nephrosis, Nos  
Carcinoma, Nos  
Atrophy, Nos  
Degeneration, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_030

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_032

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Unspecified

Interstitial-Cell Tumor

Neurofibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_033

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_034

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_035

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Adenocarcinoma, Nos

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_036

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_037

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hepatocytes

Degeneration, Nos

Hepatocytes

Hyperplasia, Focal

Pituitary gland

Adenoma, Nos

Seminal vesicle

Atrophy, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_038

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Tubular-Cell Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_039

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Testis

Pheochromocytoma

Nephrosis, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_041

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Thyroid

Unspecified

Nephrosis, Nos

Interstitial-Cell Tumor

C-Cell Carcinoma

Scar

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_042

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_043

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_044

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymph node

Testis

Thyroid

Renal Lymph Node

Nephrosis, Nos

Hemosiderosis

Interstitial-Cell Tumor

Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_045

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone	Osteosclerosis
Kidney	Nephrosis, Nos
Liver	Leukemia, Granulocytic
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_046

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Liver

Lipoidosis

Lung

Necrosis, Coagulative

Lymph node

Undifferentiated Carcinoma, Metastatic

Abdominal Lymph Node

Undifferentiated Carcinoma, Metastatic

Pancreas

Undifferentiated Carcinoma, Metastatic

Mediastinal Lymph Node

Undifferentiated Carcinoma, Metastatic

Testis

Undifferentiated Carcinoma

Thyroid

Interstitial-Cell Tumor

Papillary Cystadenocarcinoma Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 4\_047

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 4\_048

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Stomach

Mucosa

Ulcer, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 4\_049

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01832

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2,5-Toluenediamine sulfate

**CAS Number:** 6369-59-1

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 17:04:59

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 4\_050

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Pancreas

Pituitary gland

Seminal vesicle

Testis

Acinus

Islets

Nephrosis, Nos

Degeneration, Nos

Islet-Cell Adenoma

Adenoma, Nos

Atrophy, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***