

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

**C Number:** C02368

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Pituitary gland  
Testis

Myocardium Nos

Fibrosis  
Inflammation, Chronic  
Hepatocellular Adenoma  
Chromophobe Adenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Mammary gland

Fibroadenoma

Testis

Interstitial-Cell Tumor

Unspecified

Axilla

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Pituitary gland  
Testis  
Thyroid

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Interstitial-Cell Tumor  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Testis

Pheochromocytoma

Inflammation, Chronic

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Mesentery Nos

Lipoma

Testis

Interstitial-Cell Tumor

Unspecified

Groin

Sebaceous Adenocarcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pituitary gland

Testis

Inflammation, Chronic

Cyst, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart  
Intestine Large  
Kidney  
Liver  
Testis

Myocardium Nos  
Colon

Fibrosis, Diffuse  
Nematodiasis  
Inflammation, Chronic  
Hepatocellular Adenoma  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Testis

Inflammation, Chronic

Fibroma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Testis

Myocardium Nos

Lipoidosis

Fibrosis, Diffuse

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Metamorphosis, Fatty
Pituitary gland		Chromophobe Adenoma
Skin	Face	Keratoacanthoma
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Hyperplasia, Chromophobe Cell

Thyroid

Hyperplasia, C Cell

Unspecified

Axilla

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Pancreas

Fibrosis, Focal

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Metamorphosis, Fatty
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Skeletal muscle

Testis

Fibrosis, Focal

Lipoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pituitary gland

Testis

Inflammation, Chronic

Chromophobe Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Periarteritis

Kidney

Inflammation, Chronic

Testis

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland  
Seminal vesicle  
Testis

Hyperplasia, Chromophobe Cell  
Inflammation, Suppurative  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cyst, Nos

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Salivary gland

Testis

Fibrosis

Metaplasia, Squamous

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Liver

Testis

Myocardium Nos

Pheochromocytoma

Fibrosis, Diffuse

Metamorphosis, Fatty

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Testis  
Thyroid

Mesentery Nos

Pheochromocytoma  
Periarteritis  
Inflammation, Chronic  
Interstitial-Cell Tumor  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Periarteritis
Kidney	Inflammation, Chronic
Pancreas	Periarteritis
Testis	Interstitial-Cell Tumor
Thyroid	Follicular-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Salivary gland  
Testis  
Thyroid

Myocardium Nos

Fibrosis  
Inflammation, Chronic  
Metaplasia, Squamous  
Interstitial-Cell Tumor  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Brain

Kidney

Lung

Pituitary gland

Testis

Cerebellum Nos

Lipoidosis

Demyelination

Inflammation, Chronic

Pneumonia, Aspiration

Chromophobe Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone	Mandible	Osteosarcoma
Heart	Myocardium Nos	Fibrosis, Diffuse
Kidney		Inflammation, Chronic
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Skin

Testis

Ear

Inflammation, Chronic

Hepatocellular Adenoma

Papilloma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pancreas  
Spleen

Inflammation, Chronic  
Fibrosis, Focal  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pancreas

Testis

Inflammation, Chronic

Fibrosis, Focal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Pheochromocytoma

Inflammation, Chronic

Metamorphosis, Fatty

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Thyroid

Inflammation, Chronic

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Lung

Alveolar/Bronchiolar Adenoma

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

Unspecified

Diaphragm Nos

Hernia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Atrophy, Pressure
Liver	Metamorphosis, Fatty
Pituitary gland	Chromophobe Adenoma
Seminal vesicle	Inflammation, Chronic
Spleen	Hemosiderosis
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Cerebrum

Cyst, Nos

Ventricle

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Mammary gland

Adenoma, Nos

Pituitary gland

Chromophobe Adenoma

Skin

Lower Leg

Trichoepithelioma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Pituitary gland

Atrophy, Pressure

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cornea

Opacities

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Opacities
Kidney		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Testis

Inflammation, Chronic  
Chromophobe Adenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Opacities
Heart	Myocardium Nos	Fibrosis, Diffuse
Kidney		Inflammation, Chronic
Liver		Adenocarcinoma, Nos
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroma
Pancreas		Fibrosis
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis	Interstitial-Cell Tumor
Thyroid	Cyst, Colloid
Urinary bladder	Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pancreas

Islets

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Mammary gland  
Testis

Myocardium Nos

Fibrosis  
Inflammation, Chronic  
Fibroadenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_103

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Duodenum

Polyp, Nos

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveolar/Bronchiolar Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Nephrosis, Hydro

Liver

Hyperplasia, Reticulum Cell

Urinary bladder

Metamorphosis, Fatty

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Cheek

Inflammation, Chronic

Trichoepithelioma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Aspiration

Skin

Keratoacanthoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Skin

Testis

Groin

Hyperplasia, Reticulum Cell

Sebaceous Adenoma

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Groin

Inflammation, Chronic

Sebaceous Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_114

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Lung

Alveolar/Bronchiolar Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Adenoma

Mammary gland

Lactation

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

Unspecified

Groin

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

Urinary bladder

Inflammation, Acute

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocellular Adenoma
Lung	Alveolar/Bronchiolar Carcinoma
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Mammary gland

Fibroma

Testis

Interstitial-Cell Tumor

Unspecified

Diaphragm Nos

Hernia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Liver

Pituitary gland

Compression, Nos

Hepatocellular Adenoma

Metamorphosis, Fatty

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Scar

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Adenocarcinoma, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Aspiration
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Unspecified

Diaphragm Nos

Abdominal Cavity

Interstitial-Cell Tumor

Hernia, Nos

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hepatocellular Adenoma

Testis

Hyperplasia, Nodular

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Hyperplasia, Chromophobe Cell

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Skin	Groin	Inflammation, Chronic
Testis		Atrophy, Nos
Unspecified	Groin	Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hepatocellular Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Pituitary gland  
Testis

Compression, Nos  
Inflammation, Chronic  
Chromophobe Adenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Squamous Cell Carcinoma, Metastatic
Lymph node		Squamous Cell Carcinoma, Metastatic
Skin	Face	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_131

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cornea

Opacities

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Unspecified

Diaphragm Nos

Hernia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Lung  
Pituitary gland  
Testis  
Thyroid

Myocardium Nos

Fibrosis  
Inflammation, Chronic  
Inflammation, Acute  
Chromophobe Adenoma  
Interstitial-Cell Tumor  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

Testis

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Abdomen

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Liver		Hepatocellular Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Groin	Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

Testis

Interstitial-Cell Tumor

Unspecified

Groin

Hemangioma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_141

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Compression, Nos
Lung	Abscess, Nos
Pituitary gland	Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Opacities
Kidney		Inflammation, Chronic
Skin	Groin	Trichoepithelioma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Metamorphosis, Fatty
Lung	Alveolar/Bronchiolar Adenoma
Mammary gland	Lactation
Pituitary gland	Chromophobe Adenoma
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye  
Kidney  
Pituitary gland  
Testis  
Thyroid

Cornea

Opacities  
Inflammation, Chronic  
Neoplasm, Nos  
Interstitial-Cell Tumor  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cyst, Nos

Liver

Inflammation, Chronic

Peritoneum

Necrosis, Focal

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_146

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Ulcer, Nos

Kidney

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_148

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Cornea	Opacities
Heart	Myocardium Nos	Fibrosis
Liver		Metamorphosis, Fatty
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_150

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone	Pelvic Bones	Osteosarcoma
Eye	Cornea	Opacities
Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Adenoma
Stomach		Papilloma, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 3\_201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 3\_202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Testis

Bile Duct

Inflammation, Chronic

Cyst, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 3\_203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Testis

Tunica Vaginalis

Inflammation, Chronic

Cystic Ducts

Interstitial-Cell Tumor

Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 3\_204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Atrium

Thrombosis, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:35

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

**Lab:** NA

---

**ANIMAL ID:** 3\_205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Thoracic Cavity Nos

Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Diaphragm Nos

Hernia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_208

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pancreas  
Pituitary gland

Inflammation, Chronic  
Fibrosis  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_209

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Tunica Vaginalis

Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_210

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_211

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Testis

Inflammation, Chronic

Metamorphosis, Fatty

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_212

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_213

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Mammary gland

Testis

Unspecified

Multiple Organs Nos

Lactation

Interstitial-Cell Tumor

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_214

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Testis

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_215

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Unspecified

Diaphragm Nos

Multiple Organs Nos

Inflammation, Chronic

Hernia, Nos

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_216

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

---

**ANIMAL ID:** 3\_217

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Adenoma

Mammary gland

Lactation

Pituitary gland

Chromophobe Adenoma

Skin

Ear

Fibroma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 4-Chloro-o-toluidine hydrochloride

**CAS Number:** 3165-93-3

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

**Time Report Requested:** 14:09:36

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

**Lab:** NA

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**ANIMAL ID:** 3\_218

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02368

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

**Lab:** NA

---

**ANIMAL ID:** 3\_219

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Testis

Myocardium Nos

Bile Duct

Pheochromocytoma, Malignant

Fibrosis

Inflammation, Chronic

Hyperplasia, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C02368

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

**Lab:** NA

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**ANIMAL ID:** 3\_220

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Testis

Unspecified

Diaphragm Nos

Multiple Organs Nos

Necrosis, Medullary

Interstitial-Cell Tumor

Hernia, Nos

Leukemia, Granulocytic

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE