

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

**C Number:** C01934

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Prostate		Inflammation, Acute Focal
Skin		Sebaceous Adenocarcinoma
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperpigmentation

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Hemorrhage
Kidney	Glomerulonephritis, Nos
Pancreas	Hyperplasia, Focal
Prostate	Inflammation, Acute
Skin	Cyst, Epidermal Inclusion
Testis	Interstitial-Cell Tumor
Thyroid	Hyperpigmentation
Trachea	Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Inflammation, Interstitial
Pituitary gland	Adenoma, Nos
Skin	Sebaceous Adenocarcinoma
Spleen	Hematopoiesis
Testis	Hyperplasia, Interstitial Cell
	Interstitial-Cell Tumor
Thyroid	Hyperpigmentation

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Skin

Centrilobular

Thrombosis, Nos

Nephrosis, Nos

Hyperplasia, Nos

Necrosis, Nos

Basal-Cell Carcinoma

Trichoepithelioma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Pelvis	Hyperplasia, Epithelial
		Nephrosis, Nos
Prostate		Inflammation, Chronic Focal
Skin		Sebaceous Adenocarcinoma
		Trichoepithelioma
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye

Retina

Cataract

Kidney

Degeneration, Nos

Pancreas

Nephrosis, Nos

Prostate

Islets

Islet-Cell Carcinoma

Skin

Inflammation, Acute

Fibroma

Testis

Hyperplasia, Nos

Trichoepithelioma

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pituitary gland

Prostate

Testis

Thyroid

Hyperplasia, Focal

Inflammation, Acute

Interstitial-Cell Tumor

Hyperpigmentation

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Kidney		Nephrosis, Nos
Liver		Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Preputial gland		Adenoma, Nos
Skin		Sebaceous Adenoma
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Kidney

Nephrosis, Nos

Pancreas

Acinus

Hypertrophy, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Angiectasis

Prostate

Hyperplasia, Focal

Seminal vesicle

Atrophy, Nos

Skin

Atrophy, Nos

Testis

Sebaceous Adenoma

Trichoepithelioma

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Nephrosis, Nos

Trichoepithelioma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Prostate

Skin

Testis

Tubule

Cortical Adenoma

Nephrosis, Nos

Inflammation, Acute

Sebaceous Adenoma

Trichoepithelioma

Degeneration, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Skin

Abscess, Nos

Testis

Interstitial-Cell Tumor

Zymbal gland

Sebaceous Adenocarcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Thyroid

Tubule

Glomerulonephritis, Nos

Squamous Cell Carcinoma

Degeneration, Nos

Hyperpigmentation

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Skin

Testis

Pheochromocytoma

Nephrosis, Nos

Metamorphosis, Fatty

Sebaceous Adenoma

Trichoepithelioma

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Nephrosis, Nos

Trichoepithelioma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye

Retina

Cataract

Kidney

Degeneration, Nos

Liver

Glomerulonephritis, Nos

Pituitary gland

Centrilobular

Metamorphosis, Fatty

Skin

Adenoma, Nos

Spleen

Basal-Cell Carcinoma

Testis

Hyperplasia, Reticulum Cell

Thyroid

Hyperplasia, Interstitial Cell

Hyperpigmentation

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Lung

Alveolar/Bronchiolar Adenoma

Skin

Trichoepithelioma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Lung

Alveolar/Bronchiolar Adenoma

Skin

Basal-Cell Carcinoma

Trichoepithelioma

Testis

Interstitial-Cell Tumor

Urinary bladder

Transitional-Cell Papilloma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Nephrosis, Nos
Liver	Neoplastic Nodule
Lung	Inflammation, Interstitial
Prostate	Inflammation, Chronic
Skin	Fibroma
Testis	Trichoepithelioma Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Pituitary gland

Adenoma, Nos

Skin

Basal-Cell Carcinoma

Testis

Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephrosis, Nos

Seminal vesicle

Atrophy, Nos

Skin

Trichoepithelioma

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Nephrosis, Nos

Trichoepithelioma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Skin

Testis

Thyroid

Trachea

Glomerulonephritis, Nos

Sebaceous Adenocarcinoma

Interstitial-Cell Tumor

Hyperpigmentation

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Pituitary gland  
Skin

Pheochromocytoma  
Adenoma, Nos  
Basal-Cell Carcinoma  
Cyst, Sebaceous  
Sebaceous Adenoma  
Squamous Cell Carcinoma  
Fibrosis  
Interstitial-Cell Tumor  
Mesothelioma, Nos

Spleen

Testis

Unspecified

Body Cavities

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Kidney

Nephrosis, Nos

Pancreas

Islets

Islet-Cell Adenoma

Skin

Cyst, Sebaceous

Trichoepithelioma

Spleen

Hematopoiesis

Testis

Interstitial-Cell Tumor

Unspecified

Abdominal Cavity

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Lung		Squamous Cell Carcinoma, Metastatic
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Zymbal gland		Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Pancreas	Islets	Islet-Cell Adenoma
Skin		Trichoepithelioma
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Papillary Cystadenocarcinoma Nos
Unspecified	Body Cavities	Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Testis

Nephrosis, Nos  
Adenoma, Nos  
Hyperplasia, Interstitial Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Calcification, Medial
Intestine Small	Jejunum	Adenocarcinoma, Nos
Kidney		Nephrosis, Nos
Liver		Hyperplasia, Focal
Seminal vesicle		Atrophy, Nos
Skin		Trichoepithelioma
Stomach	Mucosa	Calcification, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Intestine Large

Intestine Small

Kidney

Lung

Pituitary gland

Seminal vesicle

Skin

Spleen

Stomach

Testis

Thyroid

Colon

Ileum

Ileum

Pheochromocytoma

Hyperplasia, Epithelial

Atrophy, Nos

Hyperplasia, Epithelial

Nephrosis, Nos

Alveolar/Bronchiolar Adenoma

Adenoma, Nos

Atrophy, Nos

Trichoepithelioma

Fibrosis

Hyperplasia, Epithelial

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Testis

Centrilobular

Pheochromocytoma

Nephrosis, Nos

Tubular-Cell Adenocarcinoma

Necrosis, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Lung

Bronchiole

Hyperplasia, Focal

Prostate

Inflammation, Acute

Skin

Ear

Fibrosarcoma

Testis

Keratoacanthoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Acute
Skin		Sebaceous Adenocarcinoma
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Hyperpigmentation

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Seminal vesicle

Atrophy, Nos

Skin

Basal-Cell Carcinoma

Sebaceous Adenoma

Trichoepithelioma

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Nodule

Kidney

Pheochromocytoma

Liver

Nephrosis, Nos

Testis

Degeneration, Nos

Unspecified

Body Cavities

Interstitial-Cell Tumor

Mesothelioma, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Neoplastic Nodule
Pancreas	Islets	Islet-Cell Adenoma
Seminal vesicle		Atrophy, Nos
Skin		Fibrosarcoma
		Squamous Cell Papilloma
		Trichoepithelioma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Pancreas	Acinus	Hypertrophy, Nos
Pituitary gland		Hyperplasia, Focal
Preputial gland		Squamous Cell Carcinoma
Thyroid		Hyperpigmentation
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Mesenteric Artery Nos

Periarteritis

Kidney

Nephrosis, Nos

Skin

Fibroma

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Skin

Cyst, Epidermal Inclusion

Testis

Papilloma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung	Inflammation, Chronic
Trachea	Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Kidney		Inflammation, Interstitial
Lung	Bronchus	Bronchiectasis
Prostate		Atrophy, Nos
Skin		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperpigmentation

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Prostate  
Skin

Nephrosis, Nos  
Inflammation, Acute  
Basal-Cell Carcinoma  
Cyst, Epidermal Inclusion  
Interstitial-Cell Tumor

Testis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Cortex	Astrocytoma
Kidney		Glomerulonephritis, Nos
Lymph node	Pancreatic Lymph Node	Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Degeneration, Nos
Thyroid		Hyperpigmentation
Unspecified	Body Cavities	Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Seminal vesicle

Skin

Testis

Nephrosis, Nos

Atrophy, Nos

Cyst, Sebaceous

Sebaceous Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Prostate

Seminal vesicle

Skin

Stomach

Testis

Thyroid

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Focal

Alveolar/Bronchiolar Carcinoma

Inflammation, Acute

Atrophy, Nos

Keratoacanthoma

Trichoepithelioma

Hyperplasia, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Skin

Sebaceous Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 4000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Blood vessel	Mesenteric Artery Nos	Arteriosclerosis, Nos
Heart	Myocardium Nos	Degeneration, Nos
	Endocardium Nos	Inflammation, Acute/Chronic
Kidney		Nephrosis, Nos
Liver		Neoplastic Nodule
Lung		Inflammation, Necrotizing
Pancreas	Acinus	Metamorphosis, Fatty
Preputial gland		Adenoma, Nos
Salivary gland		Atrophy, Nos
Skin		Sebaceous Adenoma
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Adenocarcinoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Prostate

Testis

Nephrosis, Nos

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Large  
Kidney  
Liver  
Lymph node  
Testis

Colon

Mandibular Lymph Node

Pheochromocytoma  
Fibrosis, Focal  
Nematodiasis  
Nephrosis, Nos  
Hyperplasia, Focal  
Hyperplasia, Nos  
Degeneration, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Mineralization
		Nephrosis, Nos
Liver		Necrosis, Focal
Lung		Inflammation, Focal
Pancreas	Islets	Islet-Cell Adenoma
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney  
Liver

Nephrosis, Nos  
Angiectasis  
Hyperplasia, Focal  
Hyperplasia, Nos  
Dilatation, Nos  
Inflammation, Acute  
Degeneration, Nos  
Interstitial-Cell Tumor  
Inflammation, Acute/Chronic

Bile Duct  
Mandibular Lymph Node

Lymph node  
Prostate  
Testis

Trachea

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Prostate

Testis

Trachea

Myocardium Nos

Myocardium Nos

Pheochromocytoma

Fibrosis, Focal

Inflammation, Interstitial

Nephrosis, Nos

Metamorphosis, Fatty

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Prostate

Testis

Fibrosis, Focal

Nephrosis, Nos

Hyperplasia, Focal

Inflammation, Acute

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland  
Bone marrow

Heart

Kidney

Liver

Preputial gland

Seminal vesicle

Stomach

Testis

Unspecified

Myocardium Nos

Multiple Organs Nos

Cortical Adenoma  
Hyperplasia, Granulocytic  
Hyperplasia, Megakaryocytic  
Degeneration, Nos  
Nephrosis, Nos  
Hepatocellular Carcinoma  
Carcinoma, Nos  
Atrophy, Nos  
Cyst, Epidermal Inclusion  
Interstitial-Cell Tumor  
Leukemia, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Skin

Testis

Pheochromocytoma

Inflammation, Acute/Chronic

Nephrosis, Nos

Hyperplasia, Focal

Basal-Cell Carcinoma

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Liver	Centrilobular	Degeneration, Eosinophilic Necrosis, Focal
Pancreas		Atrophy, Focal Inflammation, Acute/Chronic
Prostate		Inflammation, Acute Focal
Testis		Degeneration, Nos Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_011

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Nephrosis, Nos

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos
Heart	
Kidney	
Liver	
Prostate	
Testis	

Mineralization
Fibrosis, Diffuse
Nephrosis, Nos
Metamorphosis, Fatty
Inflammation, Acute
Degeneration, Nos
Interstitial-Cell Tumor
Leukemia, Myelomonocytic

Unspecified	Multiple Organs Nos
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Nephrosis, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified		Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephrosis, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Heart  
Liver  
Lung

Fibrosis, Focal  
Necrosis, Focal  
Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Cardiac Valve	Inflammation, Acute/Chronic
Kidney		Nephrosis, Nos
Prostate		Inflammation, Acute
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Fibrosis, Focal
Kidney	Nephrosis, Nos
Testis	Degeneration, Nos
	Interstitial-Cell Tumor
Trachea	Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Fibrosis, Focal
Kidney	Nephrosis, Nos
Liver	Hyperplasia, Focal
Pancreas	Inflammation, Acute/Chronic
Testis	Degeneration, Nos
	Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Skin

Testis

Nephrosis, Nos

Galactocele

Squamous Cell Papilloma

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Glomerulonephritis, Nos

Pancreas

Inflammation, Acute/Chronic

Prostate

Inflammation, Focal

Testis

Degeneration, Nos

Trachea

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart		Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Acute
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Acute/Chronic
Urinary bladder		Metaplasia, Squamous
		Transitional-Cell Papilloma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Intestine Large	Colon	Nematodiasis
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Prostate

Testis

Trachea

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Ganglioneuroma

Kidney

Pheochromocytoma

Testis

Nephrosis, Nos

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Nephrosis, Nos
Pancreas	Islets	Islet-Cell Adenoma
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Liver

Centrilobular

Degeneration, Eosinophilic

Prostate

Inflammation, Acute Focal

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

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**ANIMAL ID:** 2\_027

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Prostate

Testis

Trachea

Pheochromocytoma

Fibrosis, Focal

Nephrosis, Nos

Necrosis, Focal

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Nephrosis, Nos
Lung		Osteosarcoma, Metastatic
Spleen		Osteosarcoma, Metastatic
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pancreas

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Inflammation, Acute/Chronic

Nephrosis, Nos

Hyperplasia, Nos

Necrosis, Focal

Inflammation, Acute/Chronic

Degeneration, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland  
Blood vessel  
Intestine Small  
Kidney  
Pancreas  
Pituitary gland  
Prostate  
Testis  
  
Trachea

Pulmonary Artery Nos  
Ileum, Ileum

Angiectasis  
Mineralization  
Hyperplasia, Lymphoid  
Nephrosis, Nos  
Periarteritis  
Hyperplasia, Focal  
Inflammation, Acute/Chronic  
Degeneration, Nos  
Interstitial-Cell Tumor  
Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Angiectasis

Kidney

Metamorphosis, Fatty

Liver

Nephrosis, Nos

Testis

Metamorphosis, Fatty

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Liver  
Lung  
Skin  
Testis  
  
Trachea  
Unspecified

Peyers Patch

Ear

Pheochromocytoma  
Hyperplasia, Reticulum Cell  
Nephrosis, Nos  
Neoplastic Nodule  
Granuloma, Nos  
Squamous Cell Carcinoma  
Degeneration, Nos  
Interstitial-Cell Tumor  
Inflammation, Acute/Chronic  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Adrenal gland  
Blood vessel  
Bone marrow  
Kidney  
Liver  
  
Testis

Pulmonary Artery Nos

Pheochromocytoma  
Mineralization  
Fibrosis, Myelo  
Nephrosis, Nos  
Hyperplasia, Focal  
Metamorphosis, Fatty  
Degeneration, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis, Focal
Kidney		Nephrosis, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Testis

Unspecified

Bronchus

Multiple Organs Nos

Angiectasis

Nephrosis, Nos

Abscess, Nos

Bronchiectasis

Degeneration, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Glomerulonephritis, Nos

Liver

Necrosis, Focal

Testis

Interstitial-Cell Tumor

Trachea

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Pancreas

Inflammation, Acute/Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Adipose Tissue

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Mammary gland

Prostate  
Testis

Unspecified

Multiple Organs Nos

Nephrosis, Nos  
Hyperplasia, Nos  
Papillary Adenocarcinoma  
Inflammation, Acute/Chronic  
Degeneration, Nos  
Interstitial-Cell Tumor  
Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver		Erythropoiesis
Lung	Bronchus	Bronchiectasis
Mammary gland		Fibroadenoma
Spleen		Erythropoiesis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Acute/Chronic
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Fibrosis, Focal
Kidney	Nephrosis, Nos
Prostate	Inflammation, Acute Focal
Testis	Degeneration, Nos
	Interstitial-Cell Tumor
Trachea	Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos Coronary Artery Nos	Mineralization Perivasculitis
Kidney		Nephrosis, Nos
Lung	Bronchus	Bronchiectasis
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Acute Focal
Testis		Degeneration, Nos
Trachea		Interstitial-Cell Tumor
Unspecified	Body Cavities	Inflammation, Acute/Chronic Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Prostate

Testis

Nephrosis, Nos

Necrosis, Focal

Inflammation, Acute

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Testis

Glomerulonephritis, Nos  
Hyperplasia, Focal  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Kidney

Liver

Lung

Preputial gland

Seminal vesicle

Testis

Hyperplasia, Hematopoietic

Nephrosis, Nos

Inflammation, Necrotizing

Carcinoma, Nos, Metastatic

Carcinoma, Nos

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos
Heart	
Kidney	
Pituitary gland	
Testis	
Trachea	

Mineralization  
Fibrosis, Focal  
Nephrosis, Nos  
Hyperplasia, Focal  
Degeneration, Nos  
Interstitial-Cell Tumor  
Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Necrosis, Focal

Pituitary gland

Adenoma, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart		Fibrosis, Focal
Intestine Large	Colon	Nematodiasis
Kidney		Nephrosis, Nos
Liver		Hepatocellular Carcinoma
Pancreas	Islets	Hyperplasia, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Prostate

Testis

Myocardium Nos

Myocardium Nos

Bile Duct

Bronchus

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Inflammation, Interstitial

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Interstitial-Cell Tumor

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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

Testis

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Atrophy, Nos

Hyperplasia, Interstitial Cell

Mineralization

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Parasitism

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lymph node

Necrosis, Focal

Mammary gland

Hyperplasia, Lymphoid

Pancreas

Hyperplasia, Nos

Pituitary gland

Inflammation, Nos

Prostate

Adenoma, Nos

Testis

Inflammation, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lung

Prostate

Testis

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Pneumonia, Chronic Murine

Inflammation, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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**

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Myocardium Nos

Bile Duct

Bronchus

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Esophagus

Heart

Kidney

Liver

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Dysplasia, Nos

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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

Angiectasis

Bile Duct

Hyperplasia, Nos

Parathyroid gland

Adenoma, Nos

Pituitary gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

Urinary bladder

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Prostate

Glomerulonephritis, Nos  
Adenoma, Nos  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Pituitary gland

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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**

Adrenal gland

Heart

Intestine Small

Kidney

Liver

Spleen

Testis

Thyroid

Myocardium Nos

Myocardium Nos

Ileum, Ileum

Ileum, Ileum

Bile Duct

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Inflammation, Nos

Sarcoma, Nos

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Fibrosis, Diffuse Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Stomach	Omentum Nos	Necrosis, Fat
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Glioma, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Stomach	Omentum Nos	Necrosis, Fat
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Lung

Inflammation, Interstitial

Mammary gland

Galactocele

Prostate

Inflammation, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Fibrosis, Septal Liver
	Bile Duct	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Galactocele
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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

Myocardium Nos

Liver

Lymph node

Spleen

Testis

Bile Duct

Pheochromocytoma

Inflammation, Interstitial

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Nos

Hyperplasia, Lymphoid

Fibrosis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Ileum, Ileum

Inflammation, Nos

Liver

Bile Duct

Glomerulonephritis, Nos

Lung

Bronchus

Hyperplasia, Nos

Mammary gland

Inflammation, Nos

Pancreas

Hyperplasia, Nos

Pituitary gland

Inflammation, Nos

Prostate

Hyperplasia, Focal

Testis

Inflammation, Nos

Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lymph node		Plasmacytosis
Pancreas		Inflammation, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Hematopoietic
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:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Parasitism
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

**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**

Heart	Myocardium Nos	Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Nos
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos
Unspecified		Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Parasitism

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Liver

Medulla  
Myocardium Nos  
Peyers Patch

Bile Duct

Mammary gland  
Pituitary gland  
Salivary gland  
Spleen

Testis

Hyperplasia, Nodular  
Fibrosis  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Nos  
Necrosis, Focal  
Hyperplasia, Nos  
Adenoma, Nos  
Sarcoma, Nos  
Hyperplasia, Erythroid  
Hyperplasia, Hematopoietic  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bronchus

Bronchiectasis

Pancreas

Islets

Inflammation, Necrotizing

Hyperplasia, Nos

Prostate

Inflammation, Nos

Unspecified

Multiple Organs Nos

Inflammation, Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:09

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

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Prostate

Testis

Unspecified

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Glomerulonephritis, Nos

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Testis

Myocardium Nos

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**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
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Testis

Thyroid

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Parathyroid gland		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 3\_037

**TRT#:** 3

**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
Lung	Bronchus	Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Nos

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Salivary gland		Adenocarcinoma, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Fibrosis, Septal Liver
	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Malignant
		Metaplasia, Osseous
		Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bronchus

Inflammation, Nos

Lymph node

Hemorrhage

Pituitary gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 3\_044

**TRT#:** 3

**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		Interstitial-Cell Tumor
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Testis

Bile Duct

Pheochromocytoma

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Spleen

Hyperplasia, Erythroid

Testis

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Stomach		Hyperplasia, Nos
Testis		Hyperplasia, Basal Cell Inflammation, Nos Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01934

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 5-Nitro-o-anisidine

CAS Number: 99-59-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:35:10

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4\_001

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 8000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Thrombosis, Nos
Kidney		Nephrosis, Nos
	Pelvis	Transitional-Cell Carcinoma
Liver	Centrilobular	Necrosis, Nos
Lung		Perivascularitis
Lymph node	Mandibular Lymph Node	Atrophy, Nos
	Mediastinal Lymph Node	Atrophy, Nos
	Mesenteric Lymph Node	Atrophy, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Atrophy, Nos
Seminal vesicle		Atrophy, Nos
Skin		Basal-Cell Carcinoma
		Keratoacanthoma
		Papilloma, Nos
		Squamous Cell Papilloma
		Trichoepithelioma
Spleen		Atrophy, Nos
Stomach	Mucosa	Sclerosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_002

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Kidney

Spleen

Testis

Thyroid

Zymbal gland

Follicle

Myelopoiesis

Nephrosis, Nos

Atrophy, Nos

Degeneration, Nos

Hyperpigmentation

Ceruminous Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01934

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 5-Nitro-o-anisidine

CAS Number: 99-59-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:35:10

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4\_003

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 8000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Hematopoietic
Brain		Malacia
Heart	Atrium	Thrombosis, Nos
Kidney		Nephrosis, Nos
Liver	Centrilobular	Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Perivasculitis
Lymph node	Mediastinal Lymph Node	Atrophy, Nos
		Atrophy, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Cystadenoma, Nos
Skin		Basal-Cell Carcinoma
		Sebaceous Adenocarcinoma
		Sebaceous Adenoma
		Trichoepithelioma
Spleen		Hematopoiesis
Stomach	Mucosa	Sclerosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01934

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 5-Nitro-o-anisidine

CAS Number: 99-59-2

Date Report Requested: 10/26/2014

Time Report Requested: 12:35:10

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4\_004

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 8000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hemorrhage Pheochromocytoma, Malignant
Heart	Cortex Nos	Thrombosis, Nos
Kidney	Myocardium Nos	Degeneration, Nos
Liver	Centrilobular	Nephrosis, Nos
Lung		Degeneration, Nos
Lymph node		Pheochromocytoma, Metastatic
Pancreas	Acinus	Atrophy, Nos
Prostate		Atrophy, Nos
Seminal vesicle		Degeneration, Cytologic
Skin		Atrophy, Nos
		Basal-Cell Carcinoma
		Papilloma, Nos
		Squamous Cell Carcinoma
		Trichoepithelioma
Spleen		Atrophy, Nos
		Hematopoiesis
Stomach	Mucosa	Sclerosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_005

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Skin

Kupffer Cell

Nephrosis, Nos

Pigmentation, Nos

Basal-Cell Carcinoma

Cyst, Epidermal Inclusion

Keratoacanthoma

Sebaceous Adenocarcinoma

Spleen

Testis

Thyroid

Tubule

Follicle

Depletion, Lymphoid

Degeneration, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_006

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Glioma, Nos

Lung

Congestion, Nos

Edema, Nos

Thymus

Cortex

Hemorrhage

Thyroid

Hemorrhage

Hyperpigmentation

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver		Hepatocellular Carcinoma
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Acute
Skin		Cyst, Epidermal Inclusion
		Sebaceous Adenoma
Spleen		Atrophy, Nos
Thyroid	Follicle	Pigmentation, Nos
Zymbal gland		Sebaceous Adenocarcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Thrombosis, Nos
Kidney		Nephrosis, Nos
Liver	Centrilobular	Necrosis, Nos
Lymph node		Atrophy, Nos
Skin		Trichoepithelioma
Spleen		Atrophy, Nos
		Hematopoiesis
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_009

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
Preputial gland		Adenoma, Nos
		Atypia, Nos
Spleen		Atrophy, Nos
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Abscess, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_010

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Skin

Hepatocytes

Testis

Tubule

Thyroid

Follicle

Pheochromocytoma

Nephrosis, Nos

Degeneration, Ballooning

Basal-Cell Carcinoma

Inflammation, Active Chronic

Degeneration, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Skin

Ear

Sebaceous Adenocarcinoma

Thyroid

Follicle

Squamous Cell Carcinoma

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Intestine Small

Mucosa, Duodenum

Pigmentation, Nos

Kidney

Nephrosis, Nos

Liver

Centrilobular

Degeneration, Nos

Necrosis, Nos

Skin

Basal-Cell Carcinoma

Spleen

Hematopoiesis

Testis

Tubule

Degeneration, Nos

Thyroid

Follicle

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_013

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cortical Adenoma

Heart

Myocardium Nos

Hyperplasia, Focal

Intestine Large

Colon

Degeneration, Nos

Kidney

Periarteritis

Skin

Pigmentation, Nos

Stomach

Mucosa

Nephrosis, Nos

Testis

Basal-Cell Carcinoma

Thyroid

Trichoepithelioma

Zymbal gland

Sclerosis

Interstitial-Cell Tumor

Pigmentation, Nos

Sebaceous Adenocarcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_014

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Pigmentation, Nos

Kidney

Nephrosis, Nos

Liver

Centrilobular

Degeneration, Nos

Necrosis, Nos

Skin

Basal-Cell Carcinoma

Sebaceous Adenoma

Spleen

Hematopoiesis

Testis

Tubule

Degeneration, Nos

Thyroid

Follicle

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
Skin		Sebaceous Adenocarcinoma
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_016

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Prostate

Seminal vesicle

Skin

Hepatocytes

Pheochromocytoma

Nephrosis, Nos

Degeneration, Ballooning

Granuloma, Foreign Body

Atrophy, Nos

Atrophy, Nos

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Trichoepithelioma

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_017

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
Pituitary gland		Adenoma, Nos
Skin		Basal-Cell Carcinoma
		Sebaceous Adenocarcinoma
Spleen		Hematopoiesis
Stomach		Cyst, Epidermal Inclusion
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_018

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Skin

Spleen

Thyroid

Follicle

Pheochromocytoma

Nephrosis, Nos

Squamous Cell Carcinoma

Hematopoiesis

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_019

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Nephrosis, Nos
Mammary gland		Hyperplasia, Nos
Seminal vesicle		Atrophy, Nos
Skin		Squamous Cell Carcinoma
Stomach	Mucosa	Sclerosis
Thyroid	Follicle	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_020

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Thyroid

Nephrosis, Nos

Basal-Cell Carcinoma

Hyperplasia, Nos

Pigmentation, Nos

Sebaceous Gland

Follicle

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_021

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Large  
Kidney  
Skin

Myocardium Nos  
Mucosa, Colon

Ear

Spleen  
Stomach  
Testis

Mucosa  
Tubule

Thyroid

Follicle

Cortical Adenoma  
Degeneration, Nos  
Pigmentation, Nos  
Nephrosis, Nos  
Basal-Cell Carcinoma  
Cyst, Nos  
Sebaceous Adenocarcinoma  
Squamous Cell Carcinoma  
Trichoepithelioma  
Hematopoiesis  
Sclerosis  
Degeneration, Nos  
Interstitial-Cell Tumor  
Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_022

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Skin

Stomach

Thyroid

Myocardium Nos

Mucosa

Follicle

Cortical Carcinoma

Degeneration, Nos

Nephrosis, Nos

Neoplastic Nodule

Adenoma, Nos

Basal-Cell Carcinoma

Sclerosis

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_023

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Skin

Testis

Thyroid

Tubule

Follicle

Nephrosis, Nos

Hyperplasia, Nos

Basal-Cell Carcinoma

Degeneration, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_024

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Bone marrow

Kidney

Liver

Skin

Centrilobular

Spleen

Testis

Thyroid

Tubule

Follicle

Pheochromocytoma

Hyperplasia, Hematopoietic

Nephrosis, Nos

Necrosis, Nos

Basal-Cell Carcinoma

Squamous Cell Papilloma

Hematopoiesis

Degeneration, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_025

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Skin

Nephrosis, Nos

Sebaceous Adenocarcinoma

Testis

Tubule

Sebaceous Adenoma

Thyroid

Follicle

Degeneration, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_026

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Mammary gland		Hyperplasia, Nos
Skin		Basal-Cell Carcinoma
Spleen		Hematopoiesis
Stomach	Mucosa	Sclerosis
Testis	Tubule	Degeneration, Nos
Thyroid		C-Cell Adenoma
		Cyst, Colloid
		Hyperplasia, Follicular Cell
	Follicle	Pigmentation, Nos
Unspecified	Body Cavities	Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_027

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos Tubular-Cell Adenocarcinoma
Liver	Hepatocytes	Degeneration, Ballooning
Lung		Abscess, Nos
Skin	Ear	Sebaceous Adenocarcinoma Sebaceous Adenocarcinoma
Spleen		Hyperplasia, Nos
Stomach	Mucosa	Sclerosis
Testis	Tubule	Degeneration, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_028

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Preputial gland

Skin

Testis

Myocardium Nos

Kupffer Cell

Tubule

Cortical Adenoma

Degeneration, Nos

Nephrosis, Nos

Hyperpigmentation

Hyperplasia, Nos

Carcinoma, Nos

Basal-Cell Carcinoma

Degeneration, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_029

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Bone marrow		Myelopoiesis
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
	Hepatocytes	Necrosis, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Acute
Seminal vesicle		Atrophy, Nos
Skin		Basal-Cell Carcinoma
	Ear	Sebaceous Adenocarcinoma
		Sebaceous Adenocarcinoma
Stomach	Mucosa	Sclerosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_030

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
Skin		Basal-Cell Carcinoma
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Intestine Small

Mesentery Nos

Hyperplasia, Focal

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Inflammation, Focal

Lymph node

Hemorrhage

Skin

Basal-Cell Carcinoma

Trichoepithelioma

Spleen

Depletion, Lymphoid

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_032

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Seminal vesicle

Skin

Myocardium Nos

Hepatocytes

Stomach

Testis

Thyroid

Follicle

Pheochromocytoma

Degeneration, Nos

Nephrosis, Nos

Degeneration, Ballooning

Hyperplasia, Nos

Atrophy, Nos

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Squamous Cell Carcinoma

Ulcer, Nos

Degeneration, Nos

Interstitial-Cell Tumor

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_034

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Skin

Nephrosis, Nos

Sebaceous Adenoma

Squamous Cell Carcinoma

Testis

Tubule

Degeneration, Nos

Thyroid

Follicle

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_035

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Thrombosis, Nos
Intestine Large	Submucosa, Colon	Fibroma
Kidney		Nephrosis, Nos
Liver		Hepatocellular Carcinoma
Lung		Sebaceous Adenocarcinoma, Metastatic
Seminal vesicle		Atrophy, Nos
Skin		Basal-Cell Carcinoma
		Fibroma
		Sebaceous Adenocarcinoma
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_036

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Skin

Nephrosis, Nos

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Squamous Cell Carcinoma

Spleen

Hematopoiesis

Testis

Tubule

Degeneration, Nos

Thyroid

Follicle

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_037

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
Skin	Ear	Squamous Cell Carcinoma
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_039

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Cortical Adenoma

Kidney

Hyperplasia, Focal

Preputial gland

Nephrosis, Nos

Skin

Ear

Adenoma, Nos

Sebaceous Adenocarcinoma

Testis

Tubule

Sebaceous Adenocarcinoma

Thyroid

Follicle

Degeneration, Nos

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_040

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Fibrosis, Myelo

Eye

Cornea

Necrosis, Focal

Inflammation, Suppurative

Pus

Kidney

Nephrosis, Nos

Liver

Centrilobular

Degeneration, Nos

Mammary gland

Hyperplasia, Nos

Seminal vesicle

Atrophy, Nos

Skin

Ear

Sebaceous Adenocarcinoma

Spleen

Hematopoiesis

Testis

Tubule

Degeneration, Nos

Thyroid

Follicle

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_041

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Skin		Basal-Cell Carcinoma
		Papilloma, Nos
		Sebaceous Adenocarcinoma
		Squamous Cell Carcinoma
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_042

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Brain

Heart

Kidney

Liver

Lung

Parathyroid gland

Preputial gland

Skin

Spleen

Testis

Thyroid

Cerebrum

Myocardium Nos

Hepatocytes

Follicle

Pheochromocytoma

Astrocytoma

Degeneration, Nos

Nephrosis, Nos

Degeneration, Ballooning

Alveolar/Bronchiolar Carcinoma

Hyperplasia, Diffuse

Adenoma, Nos

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Hematopoiesis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

**ANIMAL ID:** 4\_043

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Inflammation, Necrotizing

Metamorphosis, Fatty

Lung

Bronchus

Bronchiectasis

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Body Cavities

Mesothelioma, Malignant

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_044

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Skin

Myocardium Nos

Hepatocytes

Testis

Tubule

Thyroid

Follicle

Pheochromocytoma

Degeneration, Nos

Nephrosis, Nos

Degeneration, Ballooning

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Squamous Cell Carcinoma

Sweat Gland Carcinoma

Degeneration, Nos

Interstitial-Cell Tumor

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_045

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Skin

Stomach

Pleura Nos

Nephrosis, Nos

Fibrosis, Focal

Sebaceous Adenoma

Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_046

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephrosis, Nos

Liver

Hepatocytes

Degeneration, Ballooning

Preputial gland

Carcinoma, Nos

Skin

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Spleen

Hematopoiesis

Testis

Tubule

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_047

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Salivary gland		Hyperplasia, Focal
Skin		Sebaceous Adenocarcinoma
Spleen		Hematopoiesis
Testis	Tubule	Degeneration, Nos
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_048

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Pheochromocytoma

Kidney

Nephrosis, Nos

Skin

Basal-Cell Carcinoma

Trichoepithelioma

Testis

Tubule

Degeneration, Nos

Thyroid

Follicle

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_049

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Nos
Liver	Hepatocytes	Degeneration, Ballooning
Prostate		Inflammation, Acute
Skin		Basal-Cell Carcinoma
		Sebaceous Adenoma
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01934

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 5-Nitro-o-anisidine

**CAS Number:** 99-59-2

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

**Time Report Requested:** 12:35:10

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

**Lab:** NA

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**ANIMAL ID:** 4\_050

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 8000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Skin

Myocardium Nos

Pheochromocytoma

Degeneration, Nos

Nephrosis, Nos

Atypia, Nos

Basal-Cell Carcinoma

Sebaceous Adenocarcinoma

Sebaceous Adenoma

Squamous Cell Carcinoma

Testis

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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

\* PROTOCOL REQUIRED TISSUE