

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

**C Number:** C02766

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Preputial gland  
Testis  
Urinary bladder

Inflammation, Chronic  
Adenocarcinoma, Nos  
Interstitial-Cell Tumor  
Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Inflammation, Nos

Kidney

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Tubular-Cell Adenocarcinoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Tubular-Cell Adenocarcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Spleen

Congestion, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Lymphangiectasis

Kidney

Pheochromocytoma

Liver

Inflammation, Chronic

Leukemia, Erythrocytic

Lung

Neoplastic Nodule

Alveolar/Bronchiolar Carcinoma

Bronchopneumonia Suppurative

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Ileum

Ulcer, Nos

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Carcinoma

Lymph node

Pneumonia, Chronic Murine

Testis

Hyperplasia, Reticulum Cell

Ureter

Interstitial-Cell Tumor

Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Lymph node

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Spleen

Hyperplasia, Lymphoid

Testis

Interstitial-Cell Tumor

Unspecified

Hemangioma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
		Tubular-Cell Adenoma
Lung		Alveolar/Bronchiolar Adenoma
Preputial gland		Adenocarcinoma, Nos
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Spleen

Hyperplasia, Lymphoid

Testis

Interstitial-Cell Tumor

Ureter

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
		Tubular-Cell Adenocarcinoma
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lung	Bronchus	Inflammation, Nos
Preputial gland		Hyperplasia, Epithelial
Prostate		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Leukemoid Reaction

Lung

Pneumonia, Chronic Murine

Spleen

Leukemoid Reaction

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Salivary gland

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Lymph node

Testis

Mesenteric Lymph Node

Pheochromocytoma

Inflammation, Chronic

Pneumonia, Chronic Murine

Hyperplasia, Reticulum Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Pneumonia, Chronic Murine
Preputial gland	Adenocarcinoma, Nos
Prostate	Hyperplasia, Nos
Stomach	Papilloma, Nos
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart  
Lung  
Testis

Myocardium Nos

Fibrosis, Focal  
Pneumonia, Chronic Murine  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Lymph node		Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Interstitial-Cell Tumor

Leukemia, Erythrocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Neoplastic Nodule

Lung

Alveolar/Bronchiolar Carcinoma

Lymph node

Cervical Lymph Node Nos

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Abscess, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrilotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Hyperplasia, Lymphoid

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pancreas

Islets

Islet-Cell Adenoma

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

Ureter

Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Testis

Pheochromocytoma

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Tubular-Cell Adenoma

Trachea

Interstitial-Cell Tumor

Ureter

Inflammation, Nos

Papillary Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Hyperplasia, Renal Cell

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Lymph node

Testis

Thyroid

Submandibular Lymph Node

Inflammation, Chronic

Pneumonia, Chronic Murine

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Lymph node

Submandibular Lymph Node

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic Tubular-Cell Adenoma
Lung		Pneumonia, Chronic Murine
Lymph node	Submandibular Lymph Node	Inflammation, Chronic Suppurative
	Mesenteric Lymph Node	Inflammation, Hemorrhagic
Salivary gland		Fibrosis, Diffuse
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Lymph node

Skin

Testis

Mesenteric Lymph Node

Inflammation, Chronic

Pneumonia, Chronic Murine

Hyperplasia, Reticulum Cell

Adnexal Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Inflammation, Chronic

Pancreas

Fibrosis, Diffuse

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Lymph node	Submandibular Lymph Node	Hyperplasia, Lymphoid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Lymph node	Mesenteric Lymph Node	Edema, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Preputial gland  
Testis

Myocardium Nos

Fibrosis  
Inflammation, Chronic  
Adenocarcinoma, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrilotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Lung

Pancreas

Testis

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Chronic

Pneumonia, Chronic Murine

Hyperplasia, Intraductal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Sarcoma, Nos, Metastatic
Intestine Small	Ileum	Hyperplasia, Lymphoid
Lung		Sarcoma, Nos, Metastatic
Skin		Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Carcinoma

Skin

Pneumonia, Chronic Murine

Testis

Adnexal Carcinoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_103

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Fibrosis
Pituitary gland		Cyst, Hemorrhagic
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Prostate

Inflammation, Vesicular

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Hydrocephalus, Internal
Kidney	Inflammation, Chronic
Lung	Bronchopneumonia Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Bronchiole

Inflammation, Chronic

Hyperplasia, Adenomatous

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_114

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Lymph node

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrilotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Lung

Testis

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Myocardium Nos

Pheochromocytoma

Degeneration, Nos

Inflammation, Chronic

Neoplastic Nodule

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymph node

Testis

Inflammation, Chronic

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Pancreas		Fibrosis, Diffuse
Prostate		Hyperplasia, Intraductal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Lung

Lymph node

Pancreas

Spleen

Testis

Myocardium Nos

Submandibular Lymph Node

Hyperplasia, Nos

Fibrosis

Inflammation, Chronic

Pneumonia, Chronic Murine

Inflammation, Hemorrhagic

Fibrosis, Diffuse

Hyperplasia, Reticulum Cell

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Prostate

Inflammation, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Lung

Pneumonia, Chronic Murine

Pancreas

Fibrosis

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Lung

Pancreas

Testis

Unspecified

Myocardium Nos

Acinus

Head

Pheochromocytoma

Fibrosis

Inflammation, Chronic

Pneumonia, Chronic Murine

Atrophy, Nos

Interstitial-Cell Tumor

Keratoacanthoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Testis

Pheochromocytoma

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Adenoma

Testis

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Lung

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Chronic

Alveolar/Bronchiolar Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_131

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Lymph node

Hyperplasia, Lymphoid

Seminal vesicle

Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Carcinoma

Skin

Pneumonia, Chronic Murine

Testis

Papilloma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Lymph node

Preputial gland

Testis

Mesenteric Lymph Node

Inflammation, Chronic

Pneumonia, Chronic Murine

Hyperplasia, Reticulum Cell

Adenocarcinoma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrilotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_141

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Pelvis

Lung

Testis

Pheochromocytoma

Hyperplasia, Epithelial

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Testis

Thyroid

Pheochromocytoma

Inflammation, Chronic

Hepatocellular Carcinoma

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymph node

Spleen

Testis

Submandibular Lymph Node

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Testis

Pheochromocytoma

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pancreas

Pituitary gland

Testis

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Chronic

Neoplastic Nodule

Hyperplasia, Intraductal

Basophil Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_146

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Hyperplasia, Intraductal
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_147

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney

Ileum

Hyperplasia, Lymphoid  
Inflammation, Chronic  
Tubular-Cell Adenoma  
Interstitial-Cell Tumor

Testis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_148

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

Unspecified

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 2\_150

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 7500 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Preputial gland  
Testis

Myocardium Nos

Fibrosis  
Inflammation, Chronic  
Adenocarcinoma, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_201

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Spleen

Testis

Inflammation, Chronic

Neoplastic Nodule

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Small	Ileum	Hyperplasia, Lymphoid
Lung		Pneumonia, Chronic Murine
Pancreas		Fibrosis, Diffuse
Skin		Basal-Cell Carcinoma
Spleen		Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Inflammation, Chronic

Spleen

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver		Cytoplasmic Change, Basophilic
Skin	Eyelid Nos	Sarcoma, Nos
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Pancreas

Fibrosis, Diffuse

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_207

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Prostate

Testis

Inflammation, Chronic

Hyperplasia, Cystic

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_208

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Skin

Testis

Cyst, Epidermal Inclusion

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_209

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Degeneration, Nos

Intestine Small

Ileum

Hyperplasia, Lymphoid

Liver

Metamorphosis, Fatty

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_210

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Testis

Metamorphosis, Fatty

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_211

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Hyperplasia, Lymphoid

Intestine Small

Ileum

Hyperplasia, Lymphoid

Lymph node

Hyperplasia, Reticulum Cell

Prostate

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_212

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Trachea

Inflammation, Chronic

Interstitial-Cell Tumor

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_213

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_214

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Nephropathy, Toxic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

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**ANIMAL ID:** 3\_215

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas		Hyperplasia, Intraductal
Seminal vesicle		Hyperplasia, Cystic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_216

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Diffuse
Intestine Small	Ileum	Hyperplasia, Lymphoid
Lung		Inflammation, Chronic
Lymph node		Hyperplasia, Lymphoid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_217

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Pancreas

Acinus

Pheochromocytoma

Inflammation, Chronic

Pneumonia, Chronic Murine

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_218

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis		Hemangioma
Intestine Large	Colon	Hyperplasia, Lymphoid
Intestine Small	Ileum	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Liver		Neoplastic Nodule
Lymph node		Hyperplasia, Lymphoid
Pancreas		Fibrosis, Focal
Pituitary gland		Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 3\_219

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Focal
Intestine Small	Ileum	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

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**ANIMAL ID:** 3\_220

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver

Spleen

Testis

Unspecified

Multiple Organs Nos

Metamorphosis, Fatty

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Suppurative
Lymph node		Hemosiderosis
Spleen		Hemosiderosis
Thyroid		Follicular-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

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**ANIMAL ID:** 4\_016

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Liver	Metamorphosis, Fatty
Thyroid	Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 4\_039

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

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**OBSERVATIONS**

Lung

Bronchiole

Inflammation, Nos

Thyroid

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Kidney

Lung

Thyroid

Calcinosis, Nos

Adenocarcinoma, Nos, Metastatic

Adenocarcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 5\_108

**TRT#:** 5

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver	Metamorphosis, Fatty
Thyroid	Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 5\_115

**TRT#:** 5

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Thyroid

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 5\_116

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Kidney  
Thyroid

Calcinosis, Nos  
Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

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**ANIMAL ID:** 5\_139

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Prostate

Thyroid

Abscess, Nos

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 5\_144

**TRT#:** 5

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Kidney

Thyroid

Calcinosis, Nos

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02766

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrotriacetic acid (NTA)

**CAS Number:** 139-13-9

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

**Time Report Requested:** 10:25:23

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

**Lab:** NA

---

**ANIMAL ID:** 5\_148

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

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**OBSERVATIONS**

Thyroid

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE