

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

**C Number:** C00420A

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pituitary gland

Testis

Thyroid

Inflammation, Chronic

Chromophobe Adenoma

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Testis

Fibrosis, Myelo

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	Carcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pancreas

Testis

Acinus

Inflammation, Chronic

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Thyroid

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Skin		Metaplasia, Squamous
		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Inflammation, Chronic

Cyst, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Skin

Basal-Cell Tumor

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Testis  
Thyroid

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pancreas

Acinus

Atrophy, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Parathyroid gland

Testis

Thyroid

Inflammation, Chronic

Hyperplasia, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Pancreas

Acinus

Atrophy, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood		Myeloproliferative Disorder
Bone marrow		Fibrosis, Myelo
Eye		Cataract
Intestine Large	Large Intestine, Colon	Nematodiasis
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Lung

Testis

Endocardium Nos

Pheochromocytoma

Degeneration, Nos

Endocardiosis

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Necrosis, Diffuse

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pancreas

Testis

Acinus

Inflammation, Chronic

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Peritoneum

Testis

Centrilobular

Inflammation, Chronic

Necrosis, Nos

Mesothelioma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pancreas

Acinus

Atrophy, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Thyroid

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Large

Kidney

Liver

Lung

Testis

Large Intestine, Colon

Cyst, Hemorrhagic

Degeneration, Nos

Nematodiasis

Inflammation, Chronic

Necrosis, Focal

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Adenoma

Testis

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Liver

Angiectasis

Lung

Alveolar/Bronchiolar Adenoma

Testis

Infarct, Healed

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pituitary gland		Cyst, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Lung

Pneumonia, Chronic Murine

Pancreas

Atrophy, Focal

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
	Endocardium Nos	Endocardiosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 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:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_103

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_114

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Skin

Cyst, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Cyst, Ultimobranchial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Peritoneum

Testis

Inflammation, Chronic

Mesothelioma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Ureter

Inflammation, Nos

Urinary bladder

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Ileum	Ulcer, Nos
Kidney		Inflammation, Chronic
Liver		Inflammation, Focal
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Stomach

Amyloidosis

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Kidney  
Lung  
Pancreas  
Testis  
Thyroid

Medulla  
Large Intestine, Colon

Islets

Hyperplasia, Focal  
Nematodiasis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Islet-Cell Adenoma  
Interstitial-Cell Tumor  
Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Testis

Thyroid

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_126

**TRT#:** 2

**DOSE:** 3000 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pancreas	Atrophy, Focal
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Lung

Pancreas

Testis

Myocardium Nos

Pheochromocytoma

Degeneration, Nos

Inflammation, Chronic

Pneumonia, Chronic Murine

Atrophy, Diffuse

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

Pancreas

Atrophy, Focal

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_131

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_132

**TRT#:** 2

**DOSE:** 3000 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Suppurative

Prostate

Abscess, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Large

Kidney

Lung

Testis

Large Intestine, Colon

Pheochromocytoma

Degeneration, Nos

Nematodiasis

Inflammation, Chronic

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pancreas	Atrophy, Focal
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pituitary gland	Chromophobe Adenoma
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_141

**TRT#:** 2

**DOSE:** 3000 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Spleen	Fibrosarcoma
Testis	Interstitial-Cell Tumor
Thyroid	C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pancreas	Atrophy, Nos
Pituitary gland	Chromophobe Adenoma
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pancreas	Atrophy, Focal
	Periarteritis
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Skin

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_146

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_147

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_148

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Centrilobular

Necrosis, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Pancreas

Testis

Pheochromocytoma

Mesothelioma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 2\_150

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Necrosis, Focal

Testis

Alveolar/Bronchiolar Adenoma

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Pancreas

Islets

Islet-Cell Adenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cyst, Hemorrhagic

Kidney

Pheochromocytoma

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_203

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_204

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Lung

Testis

Large Intestine, Colon

Nematodiasis

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Inflammation, Chronic
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_206

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Centrilobular	Necrosis, Nos
Pancreas	Acinus	Atrophy, Nos
Skin		Fibrosarcoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_208

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Pancreas

Pituitary gland

Testis

Acinus

Inflammation, Chronic

Pneumonia, Chronic Murine

Atrophy, Nos

Chromophobe Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

**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**

Intestine Large

Large Intestine, Colon

Nematodiasis

Lung

Pneumonia, Chronic Murine

Pancreas

Acinus

Atrophy, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

**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**

Heart		Degeneration, Nos
Liver		Necrosis, Focal
Lung		Alveolar/Bronchiolar Adenoma
		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_211

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pancreas	Atrophy, Focal
Testis	Interstitial-Cell Tumor
Thyroid	C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

**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**

Heart	Degeneration, Nos
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Pancreas	Atrophy, Focal
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_213

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

**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**

Adrenal gland

Kidney

Lung

Pheochromocytoma

Inflammation, Chronic

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_215

**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:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

**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		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

**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**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_218

**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:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

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**ANIMAL ID:** 3\_219

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C00420A

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Nitrofen

**CAS Number:** 1836-75-5

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

**Time Report Requested:** 09:36:15

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

**Lab:** NA

---

**ANIMAL ID:** 3\_220

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Kidney

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE