

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**C Number:** C00431  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Male

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_001

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

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

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

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**OBSERVATIONS**

Skeletal muscle

Inflammation, Nos  
Mineralization

Stomach  
Unspecified

Multiple Organs Nos

Ulcer, Nos  
Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_002

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

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Inflammation, Chronic
	Abdominal Cavity	Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_003

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

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

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

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Inflammation, Diffuse

Liver

Congestion, Nos

Lung

Inflammation, Chronic

Congestion, Nos

Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_004

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

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney  
  
Liver  
  
Lung  
Pancreas  
Pituitary gland  
Spleen  
Testis

Cortex  
  
Bile Duct  
Bile Duct

Cortical Carcinoma  
Cyst, Nos  
Inflammation, Chronic  
Hyperplasia, Nos  
Inflammation, Nos  
Pneumonia, Chronic Murine  
Periarteritis  
Chromophobe Adenoma  
Periarteritis  
Aspermatogenesis  
Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_005

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

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

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

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**OBSERVATIONS**

Intestine Small  
Kidney  
Lung  
Pancreas  
Salivary gland

Mesentery Nos

Periarteritis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Periarteritis  
Hyperplasia, Intraductal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_006

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

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

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

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**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Necrosis, Nos
Lung	Pneumonia, Chronic Murine
Spleen	Hemangiosarcoma
Thyroid	Cyst, Colloid

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_007

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Focal
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_008

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

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

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

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**OBSERVATIONS**

Liver		Metamorphosis, Fatty
Lung		Congestion, Nos
Unspecified	Thoracic Cavity Nos	Pneumonia, Chronic Murine
		Liposarcoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_009

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney

Liver

Lung

Bile Duct  
Bile Duct

Congestion, Nos  
Congestion, Nos  
Inflammation, Chronic  
Hyperplasia, Nos  
Inflammation, Nos  
Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_010

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

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Focal
Kidney		Inflammation, Chronic
Liver		Hyperplastic Nodule
Lung		Pneumonia, Chronic Murine
Pituitary gland		Hyperplasia, Chromophobe Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_011

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

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver	Hepatocytes	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Testis		Hypospermatogenesis
		Periarteritis
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_012

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

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

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

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**OBSERVATIONS**

Adrenal gland  
Heart

Cortex Nos

Degeneration, Nos  
Calcium Deposit

Kidney

Myocardium Nos  
Cortex

Inflammation, Nos  
Cyst, Nos  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Hemangiosarcoma  
Mineralization

Lung  
Spleen  
Stomach

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_013

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Prostate		Inflammation, Nos
Stomach		Ulcer, Focal
Thyroid		Hyperplasia, Follicular Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_014

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

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

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

---

**OBSERVATIONS**

Adrenal gland  
Liver  
Lung  
Testis

Congestion, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine  
Atrophy, Nos  
Hyospermatogenesis

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_015

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

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney  
Lung  
Stomach

Cortex Nos

Degeneration, Nos  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Ulcer, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_016

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

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
  
Lung  
  
Pancreas  
Pituitary gland

Bile Duct

Angiectasis  
Inflammation, Chronic  
Congestion, Nos  
Hyperplasia, Nos  
Congestion, Nos  
Pneumonia, Chronic Murine  
Atrophy, Nos  
Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_017

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

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

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

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**OBSERVATIONS**

Adrenal gland  
Kidney

Cortex Nos

Degeneration, Nos  
Congestion, Nos  
Inflammation, Chronic  
Congestion, Nos  
Atrophy, Nos  
Hypospermatogenesis

Lung  
Testis

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_018

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

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

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

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos

Lung  
Pituitary gland  
Prostate  
Stomach

Degeneration, Nos  
Inflammation, Focal  
Inflammation, Chronic  
Mineralization  
Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Inflammation, Nos  
Acanthosis  
Mineralization  
Ulcer, Nos  
Aspermatogenesis  
Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_019

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

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

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

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_020

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

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Testis		Atrophy, Nos
		Hyospermatogenesis
Urinary bladder		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney	Congestion, Nos
Liver	Congestion, Nos
Lung	Congestion, Nos
	Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos  
Cortex

Periarteritis  
Cyst, Nos  
Inflammation, Chronic

Liver

Bile Duct  
Centrilobular

Hyperplasia, Nos  
Metamorphosis, Fatty  
Congestion, Nos  
Pneumonia, Chronic Murine

Lung

Parathyroid gland  
Stomach  
Testis

Hyperplasia, Nos  
Mineralization  
Aspermatogenesis  
Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Bile Duct

Lung

Prostate

Testis

Pheochromocytoma

Congestion, Nos

Hyperplasia, Nos

Inflammation, Nos

Congestion, Nos

Pneumonia, Chronic Murine

Inflammation, Nos

Aspermatogenesis

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Congestion, Nos Inflammation, Chronic
Liver		Congestion, Nos Hyperplasia, Nos
	Bile Duct	Congestion, Nos Pneumonia, Chronic Murine
Lung		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_005

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney	Congestion, Nos Inflammation, Chronic
Liver	Congestion, Nos
Lung	Congestion, Nos Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_006

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Brain		Oligodendroglioma
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Spleen		Hemangiosarcoma
Thyroid		Follicular-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Inflammation, Diffuse
	Bile Duct	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Nos
Testis		Aspermatogenesis
		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver	Bile Duct Bile Duct	Hyperplasia, Nos Inflammation, Nos
Lung	Bronchus	Abscess, Nos Pneumonia, Chronic Murine
Pancreas		Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
	Pelvis	Inflammation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Spleen		Hemangiosarcoma
Stomach		Hemorrhage
		Ulcer, Nos
Testis		Atrophy, Nos
		Hyospermatogenesis
Urinary bladder		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Liver  
Lung

Mesentery Nos

Necrosis, Fat  
Congestion, Nos  
Congestion, Nos  
Edema, Nos  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Lung Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Lung  
Stomach

Cortex Nos  
  
Bile Duct

Degeneration, Nos  
Inflammation, Chronic  
Hyperplasia, Nos  
Pneumonia, Chronic Murine  
Ulcer, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Heart	Pericardium Nos	Inflammation, Suppurative
Lung		Pneumonia, Chronic Murine
Testis		Aspermatogenesis
		Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Kidney		Congestion, Nos Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Hyperplasia, Nos
Lung		Congestion, Nos Pneumonia, Chronic Murine
Pancreas		Atrophy, Nos
Pituitary gland		Chromophobe Adenoma
Seminal vesicle		Inflammation, Nos
Thyroid		Follicular-Cell Adenoma
Unspecified		Lipoma

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Pituitary gland		Cyst, Nos
Stomach		Ulcer, Focal
Testis		Aspermatogenesis
		Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Prostate		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Heart		Dilatation, Nos
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver		Congestion, Nos
	Centrilobular	Degeneration, Nos
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Spleen		Hematopoiesis
Testis		Atrophy, Nos
		Hypospermatogenesis
Unspecified	Hip	Fibrosarcoma
Urinary bladder		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos  
Cortex

Periarteritis  
Cyst, Nos  
Inflammation, Chronic  
Metamorphosis, Fatty  
Pneumonia, Chronic Murine  
Periarteritis  
Atrophy, Nos  
Hypospermatogenesis

Liver  
Lung  
Pancreas  
Testis

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine
Pancreas		Atrophy, Nos
Testis	Tunica Vaginalis	Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Congestion, Nos Inflammation, Chronic
Liver	Bile Duct	Congestion, Nos Hyperplasia, Nos
Lung	Bronchus	Abscess, Nos Pneumonia, Chronic Murine
Testis		Aspermatogenesis Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Lung  
Thyroid

Pneumonia, Chronic Murine  
Follicular-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Intestine Large  
Kidney  
Lung

Large Intestine, Colon

Nematodiasis  
Congestion, Nos  
Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Blood vessel	Aorta Nos	Calcification, Nos
Eye	Cornea	Inflammation, Nos
Intestine Small	Mesentery Nos	Periarteritis
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine
Pancreas		Periarteritis
Parathyroid gland		Hyperplasia, Nos
Stomach		Mineralization
Testis		Atrophy, Nos
		Hypospermatogenesis

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic Mixed Tumor, Malignant
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Stomach		Mineralization

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Congestion, Nos Inflammation, Chronic
Liver		Congestion, Nos Hyperplasia, Nos
	Bile Duct	Congestion, Nos Pneumonia, Chronic Murine
Lung		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Hepatocytes	Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
		Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
Lung

Mesentery Nos  
  
Hepatocytes

Periarteritis  
Inflammation, Chronic  
Hyperplasia, Nos  
Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

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**OBSERVATIONS**

Adrenal gland  
Kidney

Cortex Nos

Degeneration, Nos  
Congestion, Nos  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Periarteritis  
Hemangiosarcoma  
Atrophy, Nos  
Hypospermatogenesis

Lung  
Pancreas  
Spleen  
Testis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Congestion, Nos
Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty
Lung		Congestion, Nos Edema, Nos
Prostate		Inflammation, Necrotizing Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland  
Kidney

Liver

Lung

Prostate  
Unspecified

Pelvis

Hepatocytes

Abdominal Cavity

Cortical Carcinoma  
Inflammation, Chronic  
Inflammation, Nos  
Congestion, Nos  
Inflammation, Nos  
Cortical Carcinoma, Metastatic  
Pneumonia, Chronic Murine  
Inflammation, Nos  
Periarteritis

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Blood vessel	Aorta Nos Coronary Artery Nos	Calcification, Medial Mineralization
Eye		Inflammation, Nos
Heart	Myocardium Nos Myocardium Nos	Calcification, Nos Fibrosis, Diffuse
Kidney		Inflammation, Chronic Mineralization
Lung		Congestion, Nos Pneumonia, Chronic Murine
Parathyroid gland		Hyperplasia, Nos
Stomach		Mineralization
Testis		Aspermatogenesis Atrophy, Nos
Thyroid		Cyst, Colloid

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos

Degeneration, Nos  
Fibrosis  
Congestion, Nos  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Chromophobe Adenoma

Lung  
Pituitary gland

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Blood vessel	Aorta Nos	Calcification, Medial
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Mineralization
		Pneumonia, Chronic Murine
Stomach	Mucosa	Mineralization
Testis		Atrophy, Nos
		Hypospermatogenesis

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Diffuse Periarteritis
Kidney		Inflammation, Chronic
Liver		Congestion, Nos
	Centrilobular	Metamorphosis, Fatty
Lung		Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Pancreas  
Pituitary gland  
Spleen

Cortex Nos

Degeneration, Nos  
Inflammation, Chronic  
Metamorphosis, Fatty  
Hemangiosarcoma  
Hyperplasia, Chromophobe Cell  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Congestion, Nos
Liver	Centrilobular	Necrosis, Nos
Lung		Pneumonia, Chronic Murine
Spleen		Hematopoiesis
Testis		Aspermatogenesis
Thyroid		Atrophy, Nos
Unspecified		Hyperplasia, Follicular Cell
		Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Congestion, Nos
		Inflammation, Chronic
Lung	Bronchus	Abscess, Nos
		Pneumonia, Chronic Murine
Testis		Atrophy, Nos
		Hypospermatogenesis
Thyroid		Hyperplasia, C Cell
Unspecified	Foot	Fibrosarcoma
	Foot	Ulcer, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Kidney		Congestion, Nos Inflammation, Chronic
Liver		Congestion, Nos
Lung	Bronchus	Abscess, Nos Pneumonia, Chronic Murine
Skeletal muscle		Fibrosis Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 9125 PPM

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

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

---

**OBSERVATIONS**

Eye	Cornea	Inflammation, Nos
Kidney		Congestion, Nos
		Inflammation, Chronic
Lung		Congestion, Nos
		Pneumonia, Chronic Murine
Stomach		Hemorrhage
		Ulcer, Nos
Testis		Aspermatogenesis
		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Liver

Bile Duct

Degeneration, Nos

Lung

Hyperplasia, Nos

Unspecified

Abdominal Cavity

Pneumonia, Chronic Murine

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Nasal cavity		Inflammation, Nos
Thyroid		C-Cell Adenoma
Unspecified	Back	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Large Intestine, Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Lymph node	Mesenteric Lymph Node	Inflammation, Nos
Stomach		Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Pancreas  
Pituitary gland

Inflammation, Chronic  
Pneumonia, Chronic Murine  
Atrophy, Nos  
Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Mammary gland

Spleen

Cortical Carcinoma

Inflammation, Chronic

Fibroadenoma

Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortical Carcinoma

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Epididymis  
Kidney  
Lung  
Spleen

Necrosis, Fat  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart	Endocardium Nos Myocardium Nos	Inflammation, Nos Inflammation, Nos Pneumonia, Chronic Murine
Lung		

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**DOSE:** 18250 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Thyroid

Pheochromocytoma

Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Testis

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
Mammary gland  
Testis

Mesentery Nos

Bile Duct

Unspecified

Back

Necrosis, Fat  
Inflammation, Chronic  
Hyperplasia, Nos  
Adenocarcinoma, Nos  
Atrophy, Nos  
Hypospermatogenesis  
Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas	Islets	Islet-Cell Adenoma
Thyroid		Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Epididymis	Necrosis, Fat
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Peritoneum	Inflammation, Nos
Spleen	Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Peritoneum  
Spleen

Inflammation, Nos  
Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung  
Thyroid

Inflammation, Chronic  
Pneumonia, Chronic Murine  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_024

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Blood vessel	Aorta Nos	Inflammation, Nos
Heart	Myocardium Nos	Degeneration, Nos
		Fibrosis
Intestine Large	Large Intestine, Colon	Nematodiasis
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Pancreas		Thrombosis, Nos

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Lung  
Parathyroid gland  
Stomach

Mesentery Nos

Periarteritis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Hyperplasia, Nos  
Calcium Deposit

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Lung

Inflammation, Chronic  
Atelectasis  
Pneumonia, Chronic Murine  
Atrophy, Nos  
Chromophobe Adenoma  
C-Cell Adenoma

Pancreas  
Pituitary gland  
Thyroid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Nephrosis, Hydro

Testis

Pneumonia, Chronic Murine

Aspermatogenesis

Urinary bladder

Atrophy, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Degeneration, Nos

Lung

Inflammation, Chronic

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Nasal cavity

Mesentery Nos

Periarteritis  
Inflammation, Chronic  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Blood vessel	Aorta Nos	Arteriosclerosis, Nos
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Lung		Pneumonia, Chronic Murine
Parathyroid gland		Hyperplasia, Nos
Stomach		Calcium Deposit

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos Pericardium Nos	Inflammation, Nos Inflammation, Nos
Lung		Pneumonia, Chronic Murine
Spleen		Hematopoiesis
Testis		Aspermatogenesis
Unspecified		Atrophy, Nos Fibroma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Preputial gland		Adenocarcinoma, Nos
Unspecified	Axilla	Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Mammary gland

Inflammation, Chronic  
Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart	Endocardium Nos	Fibrosis
Lung		Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Nos

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Mammary gland  
Skin

Inflammation, Chronic  
Adenocarcinoma, Nos  
Cyst, Epidermal Inclusion

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver

Mesentery Nos  
  
Bile Duct

Lung  
Prostate  
Thyroid  
Urinary bladder

Periarteritis  
Inflammation, Chronic  
Hyperplasia, Nos  
Metamorphosis, Fatty  
Pneumonia, Chronic Murine  
Inflammation, Nos  
Follicular-Cell Adenoma  
Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 18250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Prostate

Inflammation, Nos

Unspecified

Groin

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

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**OBSERVATIONS**

Blood vessel	Aorta Nos	Arteriosclerosis, Nos
	Aorta Nos	Calcium Deposit
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Mineralization
Kidney		Inflammation, Chronic
Lung		Pneumonia, Chronic Murine
Parathyroid gland		Hyperplasia, Nos
Stomach		Calcium Deposit

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C00431  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/Osborne Mendel

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Clonitralid  
**CAS Number:** 1420-04-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:59:55  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3  
**DOSE:** 18250 PPM

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Lung		Pneumonia, Chronic Murine
Thyroid		Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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