

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**C Number:** C03065

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_101

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis, Focal

Testis

Atrophy, Focal

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Multiple Organs Nos

Leukemia, Lymphocytic

Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_102

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |           |  |
|-----------------|-----------|--|
| Adrenal gland   | Medulla   | Hyperplasia, Focal<br>Pheochromocytoma |
| Heart           |           | Fibrosis, Focal                        |
| Intestine Large | Colon     | Nematodiasis                           |
| Kidney          |           | Inflammation, Chronic Focal            |
|                 | Cortex    | Pigmentation, Nos                      |
| Liver           | Bile Duct | Hyperplasia, Focal                     |
| Lung            | Bronchus  | Hyperplasia, Lymphoid                  |
| Mammary gland   |           | Fibroadenoma                           |
| Spleen          |           | Hematopoiesis                          |
|                 |           | Hemosiderosis                          |
| Testis          |           | Atrophy, Focal                         |
|                 |           | Interstitial-Cell Tumor                |
| Thyroid         |           | C-Cell Adenoma                         |
|                 |           | Hyperplasia, C Cell                    |
| Trachea         |           | Inflammation, Nos                      |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_103

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                   |                |                               |
|-------------------|----------------|-------------------------------|
| Adrenal gland     | Medulla        | Hyperplasia, Focal            |
| Heart             | Myocardium Nos | Fibrosis, Focal               |
| Kidney            |                | Inflammation, Chronic Diffuse |
| Liver             | Bile Duct      | Hyperplasia, Focal            |
| Lung              | Bronchus       | Bronchiectasis                |
|                   | Bronchus       | Hyperplasia, Lymphoid         |
| Parathyroid gland |                | Adenoma, Nos                  |
| Pituitary gland   |                | Chromophobe Adenoma           |
| Spleen            |                | Hematopoiesis                 |
|                   |                | Hemosiderosis                 |
| Testis            |                | Atrophy, Focal                |
|                   |                | Interstitial-Cell Tumor       |
| Thyroid           |                | Hyperplasia, C Cell           |
| Trachea           |                | Inflammation, Nos             |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_104

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

|         |                      |                           |
|---------|----------------------|---------------------------|
| Kidney  | Convolutated Tubules | Cytoplasmic Vacuolization |
| Liver   |                      | Hyperplasia, Lymphoid     |
|         |                      | Metamorphosis, Fatty      |
|         |                      | Necrosis, Focal           |
| Spleen  |                      | Hematopoiesis             |
|         |                      | Hemosiderosis             |
| Stomach |                      | Ulcer, Focal              |
| Trachea |                      | Inflammation, Chronic     |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_105

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |                |                             |
|---------|----------------|-----------------------------|
| Eye     |                | Cataract                    |
| Heart   | Myocardium Nos | Fibrosis, Focal             |
| Kidney  |                | Inflammation, Chronic Focal |
| Lung    | Bronchus       | Hyperplasia, Lymphoid       |
| Spleen  |                | Hematopoiesis               |
|         |                | Hemosiderosis               |
| Testis  |                | Atrophy, Focal              |
|         |                | Interstitial-Cell Tumor     |
| Thyroid |                | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_106

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Bone marrow

Hyperplasia, Nos

Kidney

Tubule

Degeneration, Hyaline

Cortex

Pigmentation, Nos

Testis

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_107

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Pigmentation, Nos

Lung

Bronchus

Hyperplasia, Lymphoid

Spleen

Hematopoiesis

Hemosiderosis

Testis

Atrophy, Focal

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_108

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|             |                     |   |
|-------------|---------------------|---|
| Eye         |                     | Cataract                                  |
| Liver       | Bile Duct           | Hyperplasia, Focal<br>Pigmentation, Nos   |
| Lung        |                     | Bronchopneumonia, Nos                     |
| Pancreas    | Duct Nos            | Hyperplasia, Focal                        |
| Testis      |                     | Atrophy, Focal<br>Interstitial-Cell Tumor |
| Thyroid     |                     | Necrosis, Nos<br>Hyperplasia, C Cell      |
| Unspecified | Ear                 | Fibroma                                   |
|             | Multiple Organs Nos | Lymphoma, Undifferentiated-Malignant Type |
|             | Ear                 | Ulcer, Nos                                |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_109

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |                |                             |
|----------|----------------|-----------------------------|
| Heart    | Myocardium Nos | Fibrosis, Focal             |
| Kidney   |                | Inflammation, Chronic Focal |
| Liver    | Bile Duct      | Hyperplasia, Focal          |
| Lung     | Bronchus       | Hyperplasia, Lymphoid       |
| Pancreas | Islets         | Islet-Cell Adenoma          |
| Spleen   |                | Hematopoiesis               |
|          |                | Hemosiderosis               |
| Testis   |                | Atrophy, Focal              |
|          |                | Interstitial-Cell Tumor     |
| Thyroid  |                | C-Cell Adenoma              |
|          |                | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_110

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Liver

Lung

Stomach

Testis

Thymus

Unspecified

Bile Duct

Bronchus

Multiple Organs Nos

Hyperplasia, Granulocytic

Hyperplasia, Focal

Bronchiectasis

Erosion

Atrophy, Focal

Interstitial-Cell Tumor

Lymphoma, Nos-Malignant

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_111

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Kidney

Liver

Spleen

Testis

Bile Duct

Tubule

Unspecified

Multiple Organs Nos

Hyperplasia, Hematopoietic

Inflammation, Chronic

Hyperplasia, Focal

Rupture

Atrophy, Focal

Calcification, Focal

Interstitial-Cell Tumor

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_112

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Fibrosis, Focal

Lung

Pneumonia, Chronic Murine

Spleen

Hemosiderosis

Testis

Atrophy, Focal

Thyroid

Interstitial-Cell Tumor

Trachea

Hyperplasia, C Cell

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_113

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                             |
|-------------|---------------------|-----------------------------|
| Heart       | Myocardium Nos      | Fibrosis                    |
|             | Myocardium Nos      | Inflammation, Focal         |
| Kidney      |                     | Inflammation, Chronic Focal |
| Liver       | Bile Duct           | Hyperplasia, Focal          |
| Pancreas    | Duct Nos            | Hyperplasia, Focal          |
| Testis      |                     | Atrophy, Focal              |
|             |                     | Interstitial-Cell Tumor     |
| Thyroid     |                     | Hyperplasia, C Cell         |
| Unspecified | Multiple Organs Nos | Leukemia, Granulocytic      |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_114

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Spleen

Pulmonary Artery Nos

Calcification, Medial

Hematopoiesis

Hemosiderosis

Testis

Atrophy, Focal

Interstitial-Cell Tumor

Tunica Vaginalis

Mesothelioma, Malignant

Thymus

Hemosiderosis

Tongue

Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_115

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Spleen

Testis

Thyroid

Trachea

Myocardium Nos

Bile Duct

Bronchus

Duct Nos

Cortical Adenoma

Fibrosis, Focal

Inflammation, Chronic Diffuse

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hyperplasia, Focal

Hematopoiesis

Hemosiderosis

Atrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_116

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Lung  
Spleen  
  
Testis  
Thyroid  
Trachea

Medulla  
Myocardium Nos  
Peyers Patch  
  
Bronchus

Hyperplasia, Focal  
Fibrosis, Focal  
Hyperplasia, Lymphoid  
Inflammation, Chronic Focal  
Hyperplasia, Lymphoid  
Hematopoiesis  
Lymphoma, Histiocytic-Malignant Type  
Interstitial-Cell Tumor  
Hyperplasia, C Cell  
Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_117

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Hyperplasia, Hematopoietic

Fibrosis, Focal

Inflammation, Chronic Focal

Hyperplasia, Focal

Atrophy, Focal

Interstitial-Cell Tumor

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_118

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic Focal

Liver

Metamorphosis, Fatty

Lung

Pneumonia, Chronic Murine

Spleen

Hematopoiesis

Testis

Hemosiderosis

Atrophy, Focal

Interstitial-Cell Tumor

Unspecified

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_119

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Testis

Atrophy, Focal

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Multiple Organs Nos

Leukemia, Lymphocytic

Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_120

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                |                                     |
|-----------------|----------------|-------------------------------------|
| Adrenal gland   |                | Angiectasis<br>Pheochromocytoma     |
| Eye             |                | Cataract                            |
| Heart           | Myocardium Nos | Fibrosis, Focal                     |
| Kidney          |                | Inflammation, Chronic               |
| Liver           | Bile Duct      | Hyperplasia, Focal                  |
| Lung            |                | Pneumonia, Chronic Murine           |
| Pancreas        | Duct Nos       | Hyperplasia, Focal                  |
|                 | Islets         | Islet-Cell Adenoma                  |
| Pituitary gland |                | Angiectasis                         |
| Spleen          |                | Hemosiderosis                       |
| Testis          |                | Atrophy, Focal                      |
|                 | Scrotum Nos    | Fibrosarcoma                        |
|                 |                | Interstitial-Cell Tumor             |
| Thyroid         |                | Hyperplasia, C Cell                 |
|                 |                | Lymphocytic Inflammatory Infiltrate |
| Trachea         |                | Inflammation, Nos                   |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_121

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow  
Intestine Small  
Kidney  
Liver  
Lung  
Spleen  
  
Testis

Mesentery Nos

Hypoplasia, Nos  
Steatitis  
Inflammation, Interstitial  
Focal Cellular Change  
Inflammation, Suppurative  
Hematopoiesis  
Hemosiderosis  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_122

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|             |                     |   |
|-------------|---------------------|---|
| Bone marrow |                     | Hyperplasia, Hematopoietic                |
| Eye         |                     | Cataract                                  |
| Heart       | Myocardium Nos      | Fibrosis, Focal                           |
| Kidney      |                     | Inflammation, Chronic Focal               |
| Lung        |                     | Alveolar Macrophages                      |
| Spleen      | Bronchus            | Hyperplasia, Lymphoid                     |
| Testis      |                     | Hematopoiesis                             |
|             |                     | Hemosiderosis                             |
| Thyroid     |                     | Aspermatogenesis                          |
| Trachea     |                     | Interstitial-Cell Tumor                   |
| Unspecified | Multiple Organs Nos | Hyperplasia, C Cell                       |
|             |                     | Inflammation, Nos                         |
|             |                     | Lymphoma, Undifferentiated-Malignant Type |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_123

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                |                           |
|-----------------|----------------|---------------------------|
| Heart           | Myocardium Nos | Fibrosis, Focal           |
| Intestine Large | Colon          | Nematodiasis              |
| Kidney          |                | Inflammation, Chronic     |
| Liver           | Bile Duct      | Hyperplasia, Focal        |
| Lung            | Bronchus       | Inflammation, Suppurative |
| Pituitary gland |                | Angiectasis               |
|                 |                | Chromophobe Adenoma       |
| Spleen          |                | Hematopoiesis             |
|                 |                | Hemosiderosis             |
| Testis          |                | Atrophy, Nos              |
|                 |                | Interstitial-Cell Tumor   |
| Thyroid         |                | Hyperplasia, C Cell       |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_124

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Kidney

Liver

Lung

Testis

Thyroid

Unspecified

Cortex

Bile Duct

Bronchus

Multiple Organs Nos

Hyperplasia, Hematopoietic

Pigmentation, Nos

Hyperplasia, Focal

Metamorphosis, Fatty

Bronchiectasis

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_125

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Spleen

Testis

Unspecified

Multiple Organs Nos

Hematopoiesis

Interstitial-Cell Tumor

Leukemia, Granulocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_126

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Hyperplasia, Granulocytic

Liver

Bile Duct

Hyperplasia, Focal

Stomach

Metamorphosis, Fatty

Testis

Ulcer, Focal

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_127

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                      |
|-------------|---------------------|--------------------------------------|
| Bone marrow |                     | Hyperplasia, Hematopoietic           |
| Kidney      | Cortex              | Infarct, Focal                       |
| Liver       | Bile Duct           | Hyperplasia, Focal                   |
|             |                     | Metamorphosis, Fatty                 |
| Stomach     | Mucosa              | Erosion                              |
|             |                     | Ulcer, Focal                         |
| Testis      |                     | Interstitial-Cell Tumor              |
| Unspecified | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_128

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Spleen

Testis

Unspecified

Convoluted Tubules

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Pigmentation, Nos

Hyperplasia, Focal

Metamorphosis, Fatty

Hematopoiesis

Interstitial-Cell Tumor

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_129

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                |                             |
|-----------------|----------------|-----------------------------|
| Heart           | Myocardium Nos | Fibrosis, Focal             |
|                 | Myocardium Nos | Inflammation, Interstitial  |
| Intestine Small | Peyers Patch   | Hyperplasia, Lymphoid       |
| Kidney          |                | Inflammation, Chronic Focal |
| Liver           |                | Focal Cellular Change       |
|                 | Bile Duct      | Hyperplasia, Focal          |
| Lung            | Bronchus       | Hyperplasia, Lymphoid       |
| Spleen          |                | Hematopoiesis               |
|                 |                | Hemosiderosis               |
| Testis          |                | Aspermatogenesis            |
|                 |                | Atrophy, Nos                |
|                 |                | Interstitial-Cell Tumor     |
| Thyroid         |                | C-Cell Adenoma              |
|                 |                | Hyperplasia, C Cell         |
| Trachea         |                | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_130

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |          |                             |
|---------|----------|-----------------------------|
| Kidney  |          | Inflammation, Chronic Focal |
| Lung    | Bronchus | Hyperplasia, Lymphoid       |
| Spleen  |          | Hematopoiesis               |
|         |          | Hemosiderosis               |
| Testis  |          | Atrophy, Nos                |
|         |          | Interstitial-Cell Tumor     |
| Thyroid |          | C-Cell Adenoma              |
|         |          | Hyperplasia, C Cell         |
| Trachea |          | Inflammation, Suppurative   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_131

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |                |                             |
|---------|----------------|-----------------------------|
| Heart   | Myocardium Nos | Fibrosis, Focal             |
| Kidney  |                | Inflammation, Chronic Focal |
| Liver   | Bile Duct      | Hyperplasia, Focal          |
| Lung    | Bronchus       | Hyperplasia, Lymphoid       |
| Spleen  |                | Hematopoiesis               |
|         |                | Hemosiderosis               |
| Testis  |                | Atrophy, Nos                |
|         |                | Interstitial-Cell Tumor     |
| Thyroid |                | Hyperplasia, C Cell         |
| Trachea |                | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_132

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|         |                |                              |
|---------|----------------|------------------------------|
| Heart   | Myocardium Nos | Degeneration, Nos            |
| Liver   | Bile Duct      | Hyperplasia, Focal           |
|         |                | Metamorphosis, Fatty         |
| Lung    |                | Bronchopneumonia Suppurative |
| Spleen  |                | Hematopoiesis                |
|         |                | Hemosiderosis                |
| Testis  |                | Atrophy, Nos                 |
|         |                | Interstitial-Cell Tumor      |
| Trachea |                | Inflammation, Nos            |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_133

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|                 |           |                            |
|-----------------|-----------|----------------------------|
| Kidney          |           | Inflammation, Interstitial |
| Liver           | Bile Duct | Hyperplasia, Focal         |
| Lung            |           | Congestion, Nos            |
| Pituitary gland |           | Chromophobe Adenoma        |
| Spleen          |           | Hemosiderosis              |
| Testis          |           | Interstitial-Cell Tumor    |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_134

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|        |           |                            |
|--------|-----------|----------------------------|
| Kidney |           | Inflammation, Interstitial |
| Liver  | Bile Duct | Hyperplasia, Focal         |
| Lung   | Bronchus  | Hyperplasia, Lymphoid      |
| Spleen |           | Hematopoiesis              |
|        |           | Hemosiderosis              |
| Testis |           | Atrophy, Nos               |
|        |           | Interstitial-Cell Tumor    |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_135

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |           |                            |
|---------|-----------|----------------------------|
| Kidney  |           | Inflammation, Interstitial |
| Liver   | Bile Duct | Hyperplasia, Focal         |
| Lung    | Bronchus  | Hyperplasia, Lymphoid      |
| Spleen  |           | Hematopoiesis              |
|         |           | Hemosiderosis              |
| Testis  |           | Atrophy, Nos               |
|         |           | Interstitial-Cell Tumor    |
| Thyroid |           | Hyperplasia, C Cell        |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_136

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |              |                            |
|-----------------|--------------|----------------------------|
| Eye             |              | Cataract                   |
| Intestine Large | Colon        | Nematodiasis               |
| Intestine Small | Peyers Patch | Hyperplasia, Lymphoid      |
| Kidney          |              | Inflammation, Interstitial |
| Liver           | Bile Duct    | Hyperplasia, Focal         |
| Lung            | Bronchus     | Hyperplasia, Lymphoid      |
| Pancreas        | Islets       | Islet-Cell Adenoma         |
| Skin            |              | Sebaceous Adenoma          |
| Spleen          |              | Hematopoiesis              |
|                 |              | Hemosiderosis              |
| Testis          |              | Atrophy, Nos               |
|                 |              | Interstitial-Cell Tumor    |
| Thyroid         |              | C-Cell Adenoma             |
|                 |              | Hyperplasia, C Cell        |
| Trachea         |              | Inflammation, Nos          |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_137

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                     |   |
|-----------------|---------------------|---|
| Heart           | Myocardium Nos      | Fibrosis, Focal                           |
| Kidney          |                     | Inflammation, Chronic Focal               |
| Lung            |                     | Alveolar Macrophages                      |
|                 | Bronchus            | Bronchiectasis                            |
|                 | Bronchus            | Hyperplasia, Lymphoid                     |
|                 | Bronchus            | Inflammation, Focal                       |
| Pituitary gland |                     | Cyst, Multiple                            |
| Spleen          |                     | Hematopoiesis                             |
|                 |                     | Hemosiderosis                             |
| Testis          |                     | Atrophy, Nos                              |
|                 |                     | Interstitial-Cell Tumor                   |
| Thyroid         |                     | Hyperplasia, C Cell                       |
| Trachea         |                     | Inflammation, Nos                         |
| Unspecified     | Multiple Organs Nos | Lymphoma, Undifferentiated-Malignant Type |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_138

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Lung

Spleen

Testis

Thyroid

Bronchus

Inflammation, Chronic Focal

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Atrophy, Nos

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_139

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pituitary gland

Spleen

Testis

Thyroid

Myocardium Nos

Atrium

Bile Duct

Bronchus

Pheochromocytoma

Scar

Thrombosis, Nos

Inflammation, Chronic Focal

Hyperplasia, Focal

Hyperplasia, Lymphoid

Cyst, Nos

Congestion, Nos

Hematopoiesis

Hemosiderosis

Atrophy, Focal

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_140

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Kidney

Liver

Pancreas

Testis

Thymus

Thyroid

Unspecified

Cortex

Bile Duct

Islets

Multiple Organs Nos

Hyperplasia, Granulocytic

Pigmentation, Nos

Degeneration, Cystic

Hyperplasia, Nos

Islet-Cell Adenoma

Atrophy, Nos

Calcification, Dystrophic

Interstitial-Cell Tumor

Angiectasis

Hyperplasia, C Cell

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_141

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |          |                            |
|-----------------|----------|----------------------------|
| Kidney          |          | Inflammation, Interstitial |
| Lung            | Bronchus | Hyperplasia, Lymphoid      |
| Preputial gland |          | Adenoma, Nos               |
|                 |          | Inflammation, Suppurative  |
|                 |          | Ulcer, Nos                 |
| Spleen          |          | Hematopoiesis              |
|                 |          | Hemosiderosis              |
| Testis          |          | Atrophy, Nos               |
|                 |          | Interstitial-Cell Tumor    |
| Thyroid         |          | Cystic Follicles           |
|                 |          | Hyperplasia, C Cell        |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_142

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Lung

Spleen

Testis

Thymus

Thyroid

Myocardium Nos

Bile Duct

Bile Duct

Bronchus

Hyperplasia, Hematopoietic

Fibrosis, Focal

Inflammation, Interstitial

Hyperplasia, Focal

Lymphocytic Inflammatory Infiltrate

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Lymphoma, Undifferentiated-Malignant Type

Atrophy, Nos

Interstitial-Cell Tumor

Lymphangiectasis

C-Cell Adenoma

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 1\_143

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|         |                |                         |
|---------|----------------|-------------------------|
| Heart   | Myocardium Nos | Inflammation, Focal     |
| Kidney  |                | Inflammation, Chronic   |
| Lung    |                | Congestion, Nos         |
|         |                | Hemorrhage              |
| Spleen  |                | Hematopoiesis           |
|         |                | Hemosiderosis           |
| Testis  |                | Interstitial-Cell Tumor |
| Thyroid |                | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_144

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                      |                         |
|--------|----------------------|-------------------------|
| Kidney | Convolutated Tubules | Pigmentation, Nos       |
| Liver  |                      | Erythroipoiesis         |
|        | Bile Duct            | Hyperplasia, Focal      |
|        | Centrilobular        | Metamorphosis, Fatty    |
| Lung   | Alveoli              | Edema, Nos              |
| Spleen |                      | Congestion, Nos         |
|        |                      | Erythroipoiesis         |
| Testis |                      | Atrophy, Focal          |
|        | Tubule               | Calcification, Focal    |
|        |                      | Interstitial-Cell Tumor |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_145

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Spleen

Testis

Myocardium Nos

Bile Duct

Hyperplasia, Hematopoietic

Inflammation, Chronic Focal

Inflammation, Interstitial

Cirrhosis, Nos

Hyperplasia, Nos

Necrosis, Focal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_146

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Lung

Spleen

Testis

Thymus

Thyroid

Unspecified

Myocardium Nos

Cortex

Centrilobular

Abdominal Cavity

Erythropoiesis

Fibrosis, Focal

Pigmentation, Nos

Metamorphosis, Fatty

Hyperplasia, Adenomatous

Erythropoiesis

Atrophy, Nos

Interstitial-Cell Tumor

Hemosiderosis

C-Cell Adenoma

Mesothelioma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_147

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |           |                                       |
|-----------------|-----------|---------------------------------------|
| Kidney          |           | Inflammation, Chronic                 |
| Liver           | Bile Duct | Hyperplasia, Focal                    |
| Lymph node      |           | Follicular-Cell Carcinoma, Metastatic |
| Pituitary gland |           | Congestion, Nos                       |
| Spleen          |           | Hematopoiesis                         |
|                 |           | Hemosiderosis                         |
| Testis          |           | Atrophy, Nos                          |
|                 |           | Interstitial-Cell Tumor               |
| Thyroid         |           | Follicular-Cell Carcinoma             |
|                 |           | Hyperplasia, C Cell                   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_148

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Pneumonia, Chronic Murine

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 1\_149

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|             |       |                             |
|-------------|-------|-----------------------------|
| Bone        | Skull | Osteoma                     |
| Bone marrow |       | Hyperplasia, Hematopoietic  |
| Kidney      |       | Inflammation, Chronic Focal |
| Lung        |       | Pneumonia, Chronic Murine   |
| Spleen      |       | Granulopoiesis              |
|             |       | Hematopoiesis               |
|             |       | Hemosiderosis               |
| Testis      |       | Atrophy, Nos                |
|             |       | Interstitial-Cell Tumor     |
| Thyroid     |       | Hyperplasia, C Cell         |
| Trachea     |       | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 1\_150

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic Focal

Liver

Neoplastic Nodule

Pancreas

Duct Nos

Hyperplasia, Focal

Peritoneum

Peritoneal Cavity Nos

Retention Fluid

Spleen

Hematopoiesis

Hemosiderosis

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Tunica Vaginalis

Mesothelioma, Nos

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_201

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                |                             |
|-----------------|----------------|-----------------------------|
| Heart           | Myocardium Nos | Fibrosis, Focal             |
| Kidney          |                | Inflammation, Chronic Focal |
| Liver           | Bile Duct      | Hyperplasia, Focal          |
|                 |                | Hyperplasia, Reticulum Cell |
| Lung            | Bronchus       | Hyperplasia, Lymphoid       |
| Mammary gland   |                | Galactocele                 |
| Pituitary gland |                | Angiectasis                 |
|                 |                | Chromophobe Adenoma         |
| Spleen          |                | Hematopoiesis               |
|                 |                | Hemosiderosis               |
| Testis          |                | Atrophy, Nos                |
|                 |                | Interstitial-Cell Tumor     |
| Thyroid         |                | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_202

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Epididymis

Inflammation, Suppurative

Kidney

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Focal

Centrilobular

Metamorphosis, Fatty

Spleen

Hematopoiesis

Testis

Aspermatogenesis

Thyroid

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_203

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |                     |   |
|---------------|---------------------|---|
| Adrenal gland | Medulla             | Hyperplasia, Focal                        |
| Bone marrow   |                     | Hyperplasia, Hematopoietic                |
| Heart         | Myocardium Nos      | Fibrosis, Focal                           |
| Kidney        |                     | Inflammation, Chronic Focal               |
| Liver         | Bile Duct           | Hyperplasia, Focal                        |
| Testis        |                     | Atrophy, Nos                              |
|               |                     | Interstitial-Cell Tumor                   |
| Thyroid       |                     | Hyperplasia, C Cell                       |
| Unspecified   | Multiple Organs Nos | Lymphoma, Undifferentiated-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_204

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow  
Pituitary gland  
Testis

Hyperplasia, Hematopoietic  
Chromophobe Adenoma  
Atrophy, Nos

Thyroid  
Unspecified

Interstitial-Cell Tumor  
Hyperplasia, C Cell

Multiple Organs Nos  
Multiple Organs Nos

Leukemia, Lymphocytic  
Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_205

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                      |                                      |
|-------------|----------------------|--------------------------------------|
| Kidney      | Convolutated Tubules | Pigmentation, Nos                    |
| Liver       | Bile Duct            | Hyperplasia, Focal                   |
| Spinal cord |                      | Necrosis, Nos                        |
| Testis      |                      | Atrophy, Focal                       |
|             |                      | Interstitial-Cell Tumor              |
| Unspecified | Multiple Organs Nos  | Leukemia, Lymphocytic                |
|             | Multiple Organs Nos  | Lymphoma, Lymphocytic-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_206

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                             |
|-----------------|-----------------------------|
| Kidney          | Inflammation, Interstitial  |
| Liver           | Metamorphosis, Fatty        |
| Lung            | Pneumonia, Chronic Murine   |
| Pituitary gland | Chromophobe Adenoma         |
| Preputial gland | Adenoma, Nos                |
| Prostate        | Inflammation, Diffuse       |
| Spleen          | Congestion, Nos             |
|                 | Hemosiderosis               |
|                 | Hyperplasia, Reticulum Cell |
| Stomach         | Ulcer, Nos                  |
| Testis          | Interstitial-Cell Tumor     |
| Thyroid         | Hyperplasia, C Cell         |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_208

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |                     |   |
|-----------------|---------------------|---|
| Bone marrow     |                     | Hyperplasia, Hematopoietic                |
| Intestine Small | Peyers Patch        | Hyperplasia, Lymphoid                     |
| Kidney          |                     | Inflammation, Chronic Focal               |
| Liver           |                     | Angiectasis                               |
|                 | Bile Duct           | Hyperplasia, Focal                        |
| Lung            | Bronchus            | Hyperplasia, Lymphoid                     |
| Testis          |                     | Atrophy, Nos                              |
|                 |                     | Interstitial-Cell Tumor                   |
| Thyroid         |                     | Hyperplasia, C Cell                       |
| Trachea         |                     | Inflammation, Nos                         |
| Unspecified     | Multiple Organs Nos | Lymphoma, Undifferentiated-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_209

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |                |                               |
|---------|----------------|-------------------------------|
| Eye     |                | Cataract                      |
| Heart   | Myocardium Nos | Fibrosis, Focal               |
| Kidney  |                | Inflammation, Chronic Diffuse |
| Liver   |                | Angiectasis                   |
|         | Bile Duct      | Hyperplasia, Focal            |
| Lung    | Bronchus       | Bronchiectasis                |
|         | Bronchus       | Hyperplasia, Lymphoid         |
| Spleen  |                | Granulopoiesis                |
|         |                | Hematopoiesis                 |
|         |                | Hemosiderosis                 |
| Testis  |                | Atrophy, Nos                  |
|         |                | Interstitial-Cell Tumor       |
| Thyroid |                | Hyperplasia, C Cell           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_210

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Kidney

Liver

Pituitary gland

Spleen

Testis

Thyroid

Unspecified

Tubule

Tubule

Bile Duct

Multiple Organs Nos

Hyperplasia, Granulocytic

Cast, Nos

Pigmentation, Nos

Hyperplasia, Focal

Chromophobe Adenoma

Hematopoiesis

Aspermatogenesis

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_211

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|              |                |                             |
|--------------|----------------|-----------------------------|
| Eye          |                | Cataract                    |
| Heart        | Myocardium Nos | Fibrosis, Focal             |
| Kidney       |                | Inflammation, Chronic Focal |
| Liver        | Bile Duct      | Hyperplasia, Focal          |
|              |                | Metamorphosis, Fatty        |
| Lung         | Bronchus       | Hyperplasia, Lymphoid       |
| Nasal cavity |                | Inflammation, Suppurative   |
| Pancreas     | Islets         | Islet-Cell Adenoma          |
| Spleen       |                | Hematopoiesis               |
|              |                | Hemosiderosis               |
| Testis       |                | Atrophy, Nos                |
|              |                | Interstitial-Cell Tumor     |
| Thyroid      |                | Cystic Follicles            |
|              |                | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_212

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Kidney

Liver

Spinal cord

Spleen

Testis

Unspecified

Cortex

Multiple Organs Nos

Hyperplasia, Granulocytic

Infarct, Focal

Metamorphosis, Fatty

Necrosis, Focal

Necrosis, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 2\_213

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                     |                                      |
|-----------------|---------------------|--------------------------------------|
| Bone marrow     |                     | Hyperplasia, Hematopoietic           |
| Heart           | Myocardium Nos      | Fibrosis, Focal                      |
| Kidney          |                     | Inflammation, Chronic Focal          |
| Liver           | Bile Duct           | Hyperplasia, Focal                   |
|                 |                     | Metamorphosis, Fatty                 |
| Lung            | Bronchus            | Hyperplasia, Lymphoid                |
| Mammary gland   |                     | Fibroadenoma                         |
| Pancreas        | Duct Nos            | Hyperplasia, Focal                   |
|                 | Islets              | Islet-Cell Adenoma                   |
| Pituitary gland |                     | Angiectasis                          |
| Testis          |                     | Atrophy, Nos                         |
|                 |                     | Interstitial-Cell Tumor              |
| Thyroid         |                     | C-Cell Carcinoma                     |
|                 |                     | Hyperplasia, C Cell                  |
| Unspecified     | Multiple Organs Nos | Leukemia, Lymphocytic                |
|                 | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 2\_214

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                |                             |
|-----------------|----------------|-----------------------------|
| Heart           | Myocardium Nos | Fibrosis, Focal             |
| Kidney          |                | Inflammation, Chronic Focal |
| Liver           |                | Focal Cellular Change       |
|                 | Bile Duct      | Hyperplasia, Focal          |
| Lung            | Bronchus       | Hyperplasia, Lymphoid       |
| Pancreas        | Duct Nos       | Hyperplasia, Focal          |
| Pituitary gland |                | Hyperplasia, Focal          |
| Spleen          |                | Hemosiderosis               |
| Testis          |                | Atrophy, Nos                |
|                 |                | Interstitial-Cell Tumor     |
| Thyroid         |                | Hyperplasia, C Cell         |
| Trachea         |                | Inflammation, Nos           |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 2\_215

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                      |                                  |
|-----------------|----------------------|----------------------------------|
| Blood vessel    | Pulmonary Artery Nos | Calcification, Focal             |
| Heart           | Myocardium Nos       | Fibrosis, Focal                  |
| Kidney          |                      | Inflammation, Chronic Focal      |
| Liver           |                      | Hepatocellular Carcinoma         |
|                 | Bile Duct            | Hyperplasia, Focal               |
| Lung            |                      | Hyperplasia, Alveolar Epithelium |
|                 | Bronchus             | Hyperplasia, Lymphoid            |
| Mammary gland   |                      | Adenoma, Nos                     |
| Pituitary gland |                      | Angiectasis                      |
|                 |                      | Chromophobe Adenoma              |
| Spleen          |                      | Hemosiderosis                    |
| Testis          |                      | Atrophy, Nos                     |
|                 |                      | Interstitial-Cell Tumor          |
| Thymus          |                      | Hemosiderosis                    |
| Thyroid         |                      | C-Cell Adenoma                   |
|                 |                      | Hyperplasia, C Cell              |
| Trachea         |                      | Inflammation, Nos                |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_216

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                                    |
|--------|------------------------------------|
| Lung   | Bronchopneumonia Acute Suppurative |
| Spleen | Hemosiderosis                      |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_217

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                      |
|-------------|---------------------|--------------------------------------|
| Bone marrow |                     | Hyperplasia, Hematopoietic           |
| Liver       | Bile Duct           | Hyperplasia, Focal                   |
| Pancreas    | Duct Nos            | Hyperplasia, Focal                   |
|             | Islets              | Islet-Cell Adenoma                   |
| Stomach     | Cardiac Stomach     | Ulcer, Focal                         |
| Testis      |                     | Atrophy, Nos                         |
|             |                     | Interstitial-Cell Tumor              |
| Thyroid     |                     | Hyperplasia, C Cell                  |
| Trachea     |                     | Inflammation, Nos                    |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic                |
|             | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 2\_218

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

|               |                     |                             |
|---------------|---------------------|-----------------------------|
| Bone marrow   |                     | Hyperplasia, Granulocytic   |
| Brain         |                     | Hemorrhage                  |
| Ear           | Canal               | Squamous Cell Carcinoma     |
| Eye           |                     | Cataract                    |
| Kidney        |                     | Inflammation, Chronic Focal |
| Liver         | Bile Duct           | Hyperplasia, Focal          |
|               |                     | Metamorphosis, Fatty        |
| Lung          |                     | Pneumonia, Chronic Murine   |
| Mammary gland |                     | Fibroadenoma                |
| Testis        |                     | Atrophy, Focal              |
|               | Tubule              | Calcification, Focal        |
|               |                     | Interstitial-Cell Tumor     |
| Trachea       |                     | Inflammation, Chronic       |
| Unspecified   | Multiple Organs Nos | Leukemia, Granulocytic      |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_219

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |                |                             |
|---------------|----------------|-----------------------------|
| Heart         | Myocardium Nos | Fibrosis, Focal             |
| Kidney        |                | Inflammation, Chronic Focal |
| Liver         | Bile Duct      | Hyperplasia, Focal          |
| Lung          |                | Alveolar Macrophages        |
|               | Bronchus       | Hyperplasia, Lymphoid       |
| Mammary gland |                | Fibroadenoma                |
| Spleen        |                | Hematopoiesis               |
|               |                | Hemosiderosis               |
| Testis        |                | Atrophy, Nos                |
|               |                | Interstitial-Cell Tumor     |
| Thyroid       |                | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_220

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Cataract

Heart

Myocardium Nos

Inflammation, Interstitial

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Lung

Bronchus

Hyperplasia, Lymphoid

Mammary gland

Fibroma

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_221

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Heart

Myocardium Nos

Fibrosis, Focal

Kidney

Cortex

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Focal

Testis

Atrophy, Nos

Tubule

Calcification, Focal

Thyroid

Interstitial-Cell Tumor

Cystic Follicles

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Hyperplasia, Follicular Cell

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_222

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                   |                     |                             |
|-------------------|---------------------|-----------------------------|
| Eye               |                     | Cataract                    |
| Kidney            |                     | Inflammation, Chronic Focal |
| Liver             |                     | Hyperplasia, Hematopoietic  |
| Lung              | Bronchus            | Hyperplasia, Lymphoid       |
| Nerve, peripheral | Sciatic Nerve       | Degeneration, Myelin        |
| Skeletal muscle   |                     | Atrophy, Nos                |
| Spleen            |                     | Granulopoiesis              |
| Testis            |                     | Interstitial-Cell Tumor     |
| Thyroid           |                     | Hyperplasia, C Cell         |
| Trachea           |                     | Inflammation, Nos           |
| Unspecified       | Multiple Organs Nos | Leukemia, Granulocytic      |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 2\_223

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|             |                     |                                      |
|-------------|---------------------|--------------------------------------|
| Bone marrow |                     | Hyperplasia, Hematopoietic           |
| Heart       | Myocardium Nos      | Inflammation, Interstitial           |
| Kidney      |                     | Inflammation, Chronic Focal          |
| Liver       |                     | Angiectasis                          |
|             | Bile Duct           | Hyperplasia, Focal                   |
| Lung        | Bronchus            | Hyperplasia, Lymphoid                |
| Testis      |                     | Atrophy, Nos                         |
|             |                     | Interstitial-Cell Tumor              |
| Thyroid     |                     | Cystic Follicles                     |
|             |                     | Hyperplasia, C Cell                  |
| Trachea     |                     | Inflammation, Nos                    |
| Unspecified | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_224

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney  
Lung  
Preputial gland  
Spleen  
Trachea

Convolutated Tubules

Pigmentation, Nos  
Inflammation, Focal  
Inflammation, Suppurative  
Hematopoiesis  
Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_225

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |                |                         |
|---------|----------------|-------------------------|
| Heart   | Myocardium Nos | Fibrosis, Focal         |
| Liver   | Bile Duct      | Hyperplasia, Focal      |
| Lung    | Bronchus       | Hyperplasia, Lymphoid   |
| Spleen  |                | Hematopoiesis           |
|         |                | Hemosiderosis           |
| Testis  |                | Atrophy, Nos            |
|         |                | Interstitial-Cell Tumor |
| Thyroid |                | Hyperplasia, C Cell     |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_226

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|                 |           |  |
|-----------------|-----------|--|
| Kidney          |           | Inflammation, Chronic                            |
| Liver           | Bile Duct | Hyperplasia, Nos<br>Metamorphosis, Fatty         |
| Lung            | Bronchus  | Hyperplasia, Lymphoid                            |
| Penis           |           | Prolapse   |
| Pituitary gland |           | Cyst, Hemorrhagic                                |
| Spleen          |           | Hematopoiesis<br>Hemosiderosis                   |
| Testis          |           | Atrophy, Nos<br>Interstitial-Cell Tumor          |
| Thyroid         |           | Follicular-Cell Carcinoma<br>Hyperplasia, C Cell |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_227

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Brain

Pulmonary Artery Nos

Calcification, Focal  
Degeneration, Nos  
Gliosis

Kidney  
Lung  
Spleen

Inflammation, Chronic  
Alveolar Macrophages  
Hematopoiesis  
Hemosiderosis

Stomach

Cardiac Stomach

Inflammation, Suppurative  
Ulcer, Focal  
Interstitial-Cell Tumor  
C-Cell Adenoma

Testis  
Thyroid

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_228

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatic Sinusoid

Congestion, Nos

Bile Duct

Hyperplasia, Focal

Spleen

Necrosis, Focal

Testis

Necrosis, Focal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_229

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Lung

Spleen

Testis

Myocardium Nos

Cortex

Hyperplasia, Granulocytic

Fibrosis, Focal

Pigmentation, Nos

Inflammation, Nos

Granulopoiesis

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_230

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |                |                              |
|---------|----------------|------------------------------|
| Heart   | Myocardium Nos | Fibrosis, Focal              |
| Kidney  |                | Inflammation, Interstitial   |
| Lung    | Bronchus       | Hyperplasia, Lymphoid        |
| Spleen  |                | Hemosiderosis                |
| Testis  |                | Atrophy, Nos                 |
|         |                | Interstitial-Cell Tumor      |
| Thyroid |                | Hyperplasia, C Cell          |
|         |                | Hyperplasia, Follicular Cell |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_231

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Liver

Testis

Thyroid

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Hyperplasia, Hematopoietic

Fibrosis, Focal

Hyperplasia, Focal

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_232

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_233

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Kidney

Liver

Testis

Thyroid

Unspecified

Bile Duct

Multiple Organs Nos

Hyperplasia, Granulocytic

Inflammation, Chronic Focal

Hyperplasia, Focal

Atrophy, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, C Cell

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_234

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_235

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                           |
|--------|---------------------------|
| Brain  | Cytoplasmic Vacuolization |
| Kidney | Inflammation, Chronic     |
| Spleen | Hematopoiesis             |
|        | Hemosiderosis             |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_236

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Liver

Skin

Spleen

Testis

Unspecified

Bile Duct

Ear

Multiple Organs Nos

Hyperplasia, Granulocytic

Hyperplasia, Focal

Squamous Cell Papilloma

Erythropoiesis

Granulopoiesis

Interstitial-Cell Tumor

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_237

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Liver

Lung

Mammary gland

Spleen

Testis

Thyroid

Bile Duct

Bronchus

Hyperplasia, Hematopoietic

Hyperplasia, Focal

Hyperplasia, Lymphoid

Fibroadenoma

Erythropoiesis

Granulopoiesis

Lymphoma, Histiocytic-Malignant Type

Atrophy, Nos

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_238

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Kidney

Liver

Pituitary gland

Testis

Bile Duct

Centrilobular

Thyroid

Unspecified

Multiple Organs Nos

Hyperplasia, Granulocytic

Inflammation, Chronic Focal

Hyperplasia, Focal

Metamorphosis, Fatty

Chromophobe Adenoma

Aspermatogenesis

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_239

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Small

Kidney

Liver

Lung

Spleen

Testis

Thyroid

Trachea

Myocardium Nos

Peyers Patch

Bile Duct

Bronchus

Pheochromocytoma

Fibrosis, Focal

Hyperplasia, Lymphoid

Inflammation, Chronic Focal

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_240

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Heart

Liver

Lung

Spleen

Testis

Unspecified

Myocardium Nos

Bile Duct

Bronchus

Multiple Organs Nos

Cataract

Fibrosis, Focal

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Atrophy, Nos

Interstitial-Cell Tumor

Fibrosarcoma

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_241

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Lens, Capsule

Cataract

Kidney

Degeneration, Nos

Liver

Inflammation, Chronic

Hemorrhage

Lung

Bile Duct

Hyperplasia, Focal

Inflammation, Interstitial

Spleen

Pigmentation, Nos

Testis

Hematopoiesis

Aspermatogenesis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_242

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|                 |                     |                                      |
|-----------------|---------------------|--------------------------------------|
| Heart           | Myocardium Nos      | Necrosis, Focal                      |
| Intestine Large | Colon               | Nematodiasis                         |
| Kidney          |                     | Pigmentation, Nos                    |
| Liver           | Hepatocytes         | Degeneration, Nos                    |
|                 | Bile Duct           | Hyperplasia, Nos                     |
| Testis          |                     | Atrophy, Focal                       |
| Unspecified     | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_243

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                       |                             |
|-------------|-----------------------|-----------------------------|
| Kidney      |                       | Inflammation, Chronic Focal |
| Liver       | Centrilobular         | Metamorphosis, Fatty        |
| Lymph node  | Mesenteric Lymph Node | Hyperplasia, Nos            |
| Testis      |                       | Interstitial-Cell Tumor     |
| Thyroid     |                       | Hyperplasia, C Cell         |
| Unspecified | Multiple Organs Nos   | Leukemia, Granulocytic      |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_244

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

**ANIMAL ID:** 2\_245

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|              |                |                             |
|--------------|----------------|-----------------------------|
| Heart        | Myocardium Nos | Fibrosis, Focal             |
| Kidney       |                | Inflammation, Chronic Focal |
| Liver        |                | Focal Cellular Change       |
| Lung         | Bronchus       | Hyperplasia, Lymphoid       |
| Nasal cavity |                | Inflammation, Suppurative   |
| Spleen       |                | Hematopoiesis               |
|              |                | Hemosiderosis               |
| Testis       |                | Atrophy, Nos                |
|              |                | Interstitial-Cell Tumor     |
| Thyroid      |                | C-Cell Adenoma              |
|              |                | Cystic Follicles            |
|              |                | Follicular-Cell Carcinoma   |
|              |                | Necrosis, Nos               |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_246

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis, Focal

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_247

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |          |                             |
|---------|----------|-----------------------------|
| Kidney  |          | Inflammation, Chronic Focal |
| Liver   |          | Metamorphosis, Fatty        |
| Lung    | Bronchus | Hyperplasia, Lymphoid       |
| Spleen  |          | Hematopoiesis               |
|         |          | Hemosiderosis               |
| Testis  |          | Atrophy, Nos                |
|         |          | Interstitial-Cell Tumor     |
| Thyroid |          | Hyperplasia, C Cell         |
| Trachea |          | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

---

**ANIMAL ID:** 2\_248

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                |                             |
|-----------------|----------------|-----------------------------|
| Heart           | Myocardium Nos | Fibrosis, Focal             |
| Intestine Small | Peyers Patch   | Hyperplasia, Lymphoid       |
| Kidney          |                | Inflammation, Chronic Focal |
| Liver           | Bile Duct      | Hyperplasia, Focal          |
| Lung            | Bronchus       | Hyperplasia, Nos            |
| Spleen          |                | Hematopoiesis               |
|                 |                | Hyperplasia, Reticulum Cell |
| Testis          |                | Atrophy, Nos                |
|                 |                | Interstitial-Cell Tumor     |
| Thyroid         |                | Hyperplasia, C Cell         |
| Trachea         |                | Inflammation, Nos           |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_249

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |           |   |
|-----------------|-----------|---|
| Kidney          |           | Inflammation, Chronic Diffuse             |
| Liver           | Bile Duct | Hyperplasia, Focal                        |
| Lung            | Bronchus  | Hyperplasia, Lymphoid                     |
| Pituitary gland |           | Angiectasis                               |
|                 |           | Chromophobe Adenoma                       |
| Spleen          |           | Hematopoiesis                             |
|                 |           | Hemosiderosis                             |
|                 |           | Lymphoma, Undifferentiated-Malignant Type |
| Testis          |           | Atrophy, Nos                              |
|                 |           | Interstitial-Cell Tumor                   |
| Thyroid         |           | Follicular-Cell Adenoma                   |
|                 |           | Hyperplasia, C Cell                       |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:55

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

**Lab:** NA

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**ANIMAL ID:** 2\_250

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                      |
|-------------|---------------------|--------------------------------------|
| Brain       | Stem                | Hemorrhage                           |
| Kidney      | Tubule              | Cast, Nos                            |
|             | Tubule              | Pigmentation, Nos                    |
| Testis      |                     | Aspermatogenesis                     |
|             |                     | Atrophy, Nos                         |
|             |                     | Interstitial-Cell Tumor              |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic                |
|             | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_401

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic Focal          |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |
|        | Hemosiderosis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_402

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Bile Duct Adenoma                    |
|        |           | Fibrosis, Focal                      |
|        |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Nos                     |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_403

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Fibrosis

Lung

Hepatocellular Carcinoma

Peritoneum

Hepatocellular Carcinoma, Metastatic

Hemoperitoneum

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_404

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic                |
| Liver  |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Nos                     |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |
|        |           | Hepatocellular Carcinoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_405

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic Focal          |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Congestion, Nos                      |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_406

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|          |                      |  |
|----------|----------------------|--|
| Liver    |                      | Fibrosis, Focal<br>Hepatocellular Carcinoma                            |
| Lung     | Bile Duct<br>Alveoli | Hyperplasia, Nos<br>Hemorrhage<br>Hepatocellular Carcinoma, Metastatic |
| Pancreas |                      | Hepatocellular Carcinoma, Metastatic                                   |
| Spleen   |                      | Hematopoiesis  |

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_407

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|        |        |  |
|--------|--------|--|
| Kidney | Tubule | Degeneration, Hyaline  |
| Liver  |        | Fibrosis, Focal<br>Hepatocellular Carcinoma<br>Necrosis, Focal |
| Lung   |        | Hepatocellular Carcinoma, Metastatic                           |
| Spleen |        | Hematopoiesis  |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_408

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Inflammation, Chronic Focal

Bile Duct Adenoma

Bile Duct Carcinoma

Hematopoiesis

Hepatocellular Carcinoma

Necrosis, Focal

Hematopoiesis

Spleen

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_409

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Duct Adenoma

Fibrosis

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_410

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Focal                  |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_411

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_412

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Fibrosis, Focal                      |
|        |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Focal                   |
|        |           | Necrosis, Nos                        |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_413

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Fibrosis, Cholangio

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Necrosis, Focal

Lung

Alveoli

Congestion, Nos

Unspecified

Multiple Organs Nos

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

**ANIMAL ID:** 3\_414

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

**OBSERVATIONS**

|         |                |                                      |
|---------|----------------|--------------------------------------|
| Heart   | Myocardium Nos | Inflammation, Interstitial           |
| Kidney  |                | Inflammation, Chronic Focal          |
| Liver   |                | Bile Duct Adenoma                    |
|         |                | Fibrosis, Focal                      |
|         |                | Hepatocellular Carcinoma             |
|         | Bile Duct      | Hyperplasia, Focal                   |
| Lung    |                | Hepatocellular Carcinoma, Metastatic |
|         | Bronchus       | Hyperplasia, Lymphoid                |
| Spleen  |                | Hematopoiesis                        |
| Trachea |                | Inflammation, Chronic                |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_415

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic Focal          |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_416

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic Focal          |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_417

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Nos                     |
|        |           | Necrosis, Focal                      |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_418

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

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**OBSERVATIONS**

|            |                       |                                      |
|------------|-----------------------|--------------------------------------|
| Kidney     |                       | Inflammation, Chronic Focal          |
| Liver      |                       | Fibrosis, Focal                      |
|            | Bile Duct             | Hepatocellular Carcinoma             |
|            |                       | Hyperplasia, Focal                   |
|            |                       | Necrosis, Focal                      |
| Lung       |                       | Hepatocellular Carcinoma, Metastatic |
| Peritoneum | Peritoneal Cavity Nos | Hemoperitoneum                       |
| Spleen     |                       | Hematopoiesis                        |

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_419

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|            |           |                                      |
|------------|-----------|--------------------------------------|
| Kidney     |           | Inflammation, Chronic Focal          |
| Liver      |           | Fibrosis, Focal                      |
|            |           | Hepatocellular Carcinoma             |
|            | Bile Duct | Hyperplasia, Focal                   |
| Lung       |           | Hepatocellular Carcinoma, Metastatic |
| Lymph node |           | Hepatocellular Carcinoma, Metastatic |
| Spleen     |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_420

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|         |                                      |
|---------|--------------------------------------|
| Kidney  | Inflammation, Chronic Focal          |
| Liver   | Hepatocellular Carcinoma             |
| Lung    | Hepatocellular Carcinoma, Metastatic |
|         | Inflammation, Chronic                |
| Spleen  | Hematopoiesis                        |
| Trachea | Inflammation, Chronic                |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_421

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Focal                   |
|        |           | Necrosis, Focal                      |
| Lung   | Alveoli   | Edema, Nos                           |
|        |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_422

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Duct Adenoma

Lung

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_423

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

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**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Nos                     |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_424

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Inflammation, Chronic Focal

Bile Duct Adenoma

Hematopoiesis

Hepatocellular Carcinoma

Necrosis, Focal

Hematopoiesis

Inflammation, Chronic

Spleen

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_425

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |         |                                      |
|--------|---------|--------------------------------------|
| Kidney |         | Inflammation, Chronic Focal          |
| Liver  |         | Hepatocellular Carcinoma             |
| Lung   | Alveoli | Congestion, Nos                      |
|        | Alveoli | Edema, Nos                           |
|        |         | Hemorrhage                           |
|        |         | Hepatocellular Carcinoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_426

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |        |                                      |
|--------|--------|--------------------------------------|
| Kidney | Tubule | Degeneration, Hyaline                |
|        | Cortex | Lymphocytic Inflammatory Infiltrate  |
|        | Cortex | Scar                                 |
| Liver  |        | Hepatocellular Carcinoma             |
| Lung   |        | Hepatocellular Carcinoma, Metastatic |
| Spleen |        | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_427

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |            |                                      |
|--------|------------|--------------------------------------|
| Heart  | Epicardium | Lymphocytic Inflammatory Infiltrate  |
| Kidney |            | Inflammation, Chronic Focal          |
| Liver  |            | Hematopoiesis                        |
|        |            | Hepatocellular Carcinoma             |
| Lung   |            | Hepatocellular Carcinoma, Metastatic |
| Spleen |            | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_428

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|       |           |                                      |
|-------|-----------|--------------------------------------|
| Liver |           | Hepatocellular Carcinoma             |
|       | Bile Duct | Hyperplasia, Focal                   |
|       |           | Necrosis, Focal                      |
| Lung  | Alveoli   | Hemorrhage                           |
|       |           | Hepatocellular Carcinoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_429

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic Focal          |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_430

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|             |                    |                                      |
|-------------|--------------------|--------------------------------------|
| Kidney      |                    | Inflammation, Chronic Focal          |
| Liver       |                    | Hematopoiesis                        |
|             | Bile Duct          | Hepatocellular Carcinoma             |
|             |                    | Hyperplasia, Focal                   |
| Lung        |                    | Hepatocellular Carcinoma, Metastatic |
| Spleen      |                    | Hematopoiesis                        |
| Unspecified | Abdominal Wall Nos | Hepatocellular Carcinoma, Metastatic |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_431

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|         |                                      |
|---------|--------------------------------------|
| Kidney  | Inflammation, Chronic Focal          |
| Liver   | Hepatocellular Carcinoma             |
| Lung    | Hepatocellular Carcinoma, Metastatic |
| Spleen  | Hematopoiesis                        |
| Testis  | Atrophy, Nos                         |
|         | Interstitial-Cell Tumor              |
| Trachea | Inflammation, Chronic                |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_432

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|            |        |                                      |
|------------|--------|--------------------------------------|
| Kidney     |        | Inflammation, Chronic Focal          |
| Liver      |        | Hepatocellular Carcinoma             |
| Lung       |        | Hepatocellular Carcinoma, Metastatic |
| Peritoneum |        | Hemoperitoneum                       |
| Spleen     |        | Hematopoiesis                        |
|            |        | Hemosiderosis                        |
| Stomach    | Mucosa | Ulcer, Nos                           |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_433

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic                |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_434

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |  |
|--------|--|
| Kidney | Inflammation, Chronic Focal            |
| Liver  | Hepatocellular Carcinoma               |
| Lung   | Hepatocellular Carcinoma, Metastatic   |
| Spleen | Inflammation, Chronic<br>Hematopoiesis |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_435

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney | Tubule    | Degeneration, Hyaline                |
| Liver  |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Focal                   |
|        |           | Necrosis, Focal                      |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_436

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|            |                        |                                      |
|------------|------------------------|--------------------------------------|
| Kidney     |                        | Inflammation, Chronic Focal          |
| Liver      |                        | Hepatocellular Carcinoma             |
| Lung       |                        | Hepatocellular Carcinoma, Metastatic |
| Lymph node | Mediastinal Lymph Node | Congestion, Nos                      |
| Spleen     |                        | Hematopoiesis                        |
|            |                        | Hemosiderosis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_437

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |   |
|--------|---|
| Kidney | Inflammation, Chronic Focal                   |
| Liver  | Bile Duct Adenoma<br>Hepatocellular Carcinoma |
| Lung   | Hepatocellular Carcinoma, Metastatic          |
| Spleen | Hematopoiesis                                 |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_438

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Cast, Nos                            |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_439

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Liver  |           | Fibrosis                             |
|        |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Nos                     |
|        |           | Necrosis, Nos                        |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_440

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Liver

Fibrosis  
Hepatocellular Carcinoma  
Hyperplasia, Nos  
Hepatocellular Carcinoma, Metastatic  
Hematopoiesis

Bile Duct

Lung

Spleen

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_441

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|            |                       |                                      |
|------------|-----------------------|--------------------------------------|
| Kidney     |                       | Inflammation, Chronic Focal          |
| Liver      |                       | Hepatocellular Carcinoma             |
| Lung       |                       | Hepatocellular Carcinoma, Metastatic |
| Peritoneum | Peritoneal Cavity Nos | Hemoperitoneum                       |
| Spleen     |                       | Hematopoiesis                        |
|            |                       | Hemosiderosis                        |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_442

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

|          |                                      |
|----------|--------------------------------------|
| Kidney   | Inflammation, Chronic Focal          |
| Liver    | Hepatocellular Carcinoma             |
| Lung     | Hepatocellular Carcinoma, Metastatic |
| Prostate | Hyperplasia, Papillary               |
| Spleen   | Hematopoiesis                        |
| Trachea  | Inflammation, Chronic                |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_443

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Nephrosis, Nos                       |
| Liver  |           | Fibrosis, Focal                      |
|        |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Focal                   |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hepatocellular Carcinoma, Metastatic |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_444

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

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**OBSERVATIONS**

|            |                       |                                      |
|------------|-----------------------|--------------------------------------|
| Kidney     |                       | Inflammation, Chronic Focal          |
| Liver      |                       | Bile Duct Adenoma                    |
|            |                       | Hepatocellular Carcinoma             |
| Lung       |                       | Hepatocellular Carcinoma, Metastatic |
| Peritoneum | Peritoneal Cavity Nos | Hemoperitoneum                       |
| Spleen     |                       | Hematopoiesis                        |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_445

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |                |                                      |
|--------|----------------|--------------------------------------|
| Heart  | Myocardium Nos | Inflammation, Interstitial           |
| Kidney |                | Hepatocellular Carcinoma, Metastatic |
| Liver  |                | Hepatocellular Carcinoma             |
| Lung   |                | Hepatocellular Carcinoma, Metastatic |
| Spleen |                | Hematopoiesis                        |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_446

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|        |                                      |
|--------|--------------------------------------|
| Kidney | Inflammation, Chronic Focal          |
| Liver  | Hepatocellular Carcinoma             |
| Lung   | Hepatocellular Carcinoma, Metastatic |
| Spleen | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_447

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |   |
|--------|---|
| Kidney | Inflammation, Chronic Focal                   |
| Liver  | Bile Duct Adenoma<br>Hepatocellular Carcinoma |
| Lung   | Hepatocellular Carcinoma, Metastatic          |
| Spleen | Hematopoiesis                                 |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_448

**TRT#:** 3  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Fibrosis, Focal                      |
|        |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Focal                   |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_449

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|         |                 |                                      |
|---------|-----------------|--------------------------------------|
| Kidney  |                 | Inflammation, Chronic Focal          |
| Liver   |                 | Hepatocellular Carcinoma             |
| Lung    |                 | Hepatocellular Carcinoma, Metastatic |
|         |                 | Inflammation, Suppurative            |
| Stomach | Cardiac Stomach | Ulcer, Focal                         |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 3\_450

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:**

**HISTO:**

---

**OBSERVATIONS**

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Kidney |           | Inflammation, Chronic Focal          |
| Liver  |           | Fibrosis                             |
|        |           | Hepatocellular Carcinoma             |
|        | Bile Duct | Hyperplasia, Nos                     |
| Lung   |           | Hepatocellular Carcinoma, Metastatic |
| Spleen |           | Hematopoiesis                        |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_001

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|         |          |                             |
|---------|----------|-----------------------------|
| Eye     |          | Cataract                    |
| Kidney  |          | Inflammation, Chronic Focal |
| Lung    | Bronchus | Bronchiectasis              |
| Spleen  |          | Hematopoiesis               |
|         |          | Hemosiderosis               |
| Testis  |          | Interstitial-Cell Tumor     |
| Thyroid |          | Hyperplasia, C Cell         |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_002

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Spleen

Testis

Thyroid

Inflammation, Chronic Focal

Pneumonia, Chronic Murine

Hematopoiesis

Hemosiderosis

Atrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_003

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Aspermatogenesis

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_004

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Preputial gland  
Testis

Medulla

Hyperplasia, Nodular  
Inflammation, Chronic Focal  
Adenoma, Nos  
Atrophy, Nos  
Interstitial-Cell Tumor  
Inflammation, Nos

Trachea

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_005

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                                      |
|-------------|---------------------|--------------------------------------|
| Kidney      |                     | Inflammation, Interstitial           |
| Liver       |                     | Hematopoiesis                        |
|             | Bile Duct           | Hyperplasia, Focal                   |
| Lung        |                     | Pneumonia, Chronic Murine            |
| Spleen      |                     | Hemosiderosis                        |
| Testis      |                     | Interstitial-Cell Tumor              |
| Unspecified | Multiple Organs Nos | Leukemia, Lymphocytic                |
|             | Multiple Organs Nos | Lymphoma, Lymphocytic-Malignant Type |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_006

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |          |                             |
|-----------------|----------|-----------------------------|
| Eye             |          | Cataract                    |
| Intestine Large | Colon    | Nematodiasis                |
| Kidney          |          | Inflammation, Chronic Focal |
| Lung            | Bronchus | Hyperplasia, Lymphoid       |
| Spleen          |          | Hematopoiesis               |
|                 |          | Hemosiderosis               |
| Testis          |          | Atrophy, Focal              |
|                 |          | Interstitial-Cell Tumor     |
| Thyroid         |          | C-Cell Adenoma              |
|                 |          | Hyperplasia, C Cell         |
| Trachea         |          | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Intestine Small

Mesentery Nos

Degeneration, Nos

Kidney

Necrosis, Fat

Lung

Inflammation, Chronic Focal

Pancreas

Bronchus

Hyperplasia, Lymphoid

Spleen

Periarteritis

Testis

Congestion, Nos

Thyroid

Atrophy, Focal

Trachea

Interstitial-Cell Tumor

Hyperplasia, C Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Alveoli

Pancreas

Islets

Testis

Trachea

Pheochromocytoma

Inflammation, Chronic

Hemorrhage

Pneumonia, Chronic Murine

Islet-Cell Adenoma

Interstitial-Cell Tumor

Hyperplasia, Lymphoid

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_009

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Kidney

Inflammation, Chronic Focal

Mammary gland

Fibroadenoma

Spleen

Hematopoiesis

Testis

Hemosiderosis

Atrophy, Focal

Thyroid

Interstitial-Cell Tumor

Trachea

Hyperplasia, C Cell

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

**ANIMAL ID:** 4\_010

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

|             |                     |                           |
|-------------|---------------------|---------------------------|
| Eye         |                     | Cataract                  |
| Kidney      |                     | Cast, Nos                 |
|             | Tubule              | Pigmentation, Nos         |
| Liver       | Bile Duct           | Hyperplasia, Focal        |
| Lung        | Bronchus            | Hyperplasia, Lymphoid     |
|             |                     | Pneumonia, Chronic Murine |
| Lymph node  |                     | Hemosiderosis             |
| Spleen      |                     | Leukemoid Reaction        |
| Testis      |                     | Atrophy, Nos              |
|             |                     | Interstitial-Cell Tumor   |
| Thyroid     |                     | Hyperplasia, C Cell       |
| Unspecified | Multiple Organs Nos | Mesothelioma, Malignant   |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_011

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|        |              |                         |
|--------|--------------|-------------------------|
| Brain  | Midbrain Nos | Astrocytoma             |
|        | Midbrain Nos | Malacia                 |
| Kidney |              | Inflammation, Chronic   |
| Liver  |              | Phagocytic Cell         |
| Lung   |              | Atelectasis             |
| Spleen |              | Hemosiderosis           |
| Testis |              | Aspermatogenesis        |
|        |              | Interstitial-Cell Tumor |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Lung

Spleen

Testis

Thyroid

Trachea

Unspecified

Bronchus

Pheochromocytoma

Cataract

Inflammation, Chronic

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Atrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

Inflammation, Nos

Lipoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_013

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |            |                             |
|-------------|------------|-----------------------------|
| Kidney      |            | Inflammation, Chronic Focal |
| Lung        | Bronchus   | Hyperplasia, Lymphoid       |
| Oral mucosa | Palate Nos | Squamous Cell Carcinoma     |
| Spleen      |            | Hematopoiesis               |
|             |            | Hemosiderosis               |
| Testis      |            | Atrophy, Nos                |
|             |            | Interstitial-Cell Tumor     |
| Thyroid     |            | Hyperplasia, C Cell         |
| Trachea     |            | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_014

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|            |                |                             |
|------------|----------------|-----------------------------|
| Heart      | Myocardium Nos | Fibrosis                    |
|            | Myocardium Nos | Inflammation, Focal         |
| Kidney     |                | Inflammation, Chronic Focal |
| Liver      | Bile Duct      | Hyperplasia, Focal          |
| Lung       |                | Alveolar Macrophages        |
| Peritoneum |                | Mesothelioma, Nos           |
| Testis     |                | Atrophy, Nos                |
|            |                | Interstitial-Cell Tumor     |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_015

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Nos

Liver

Centrilobular

Metamorphosis, Fatty

Lung

Bronchus

Bronchiectasis

Testis

Bronchus

Hyperplasia, Lymphoid

Aspermatogenesis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

**ANIMAL ID:** 4\_016

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow

Hyperplasia, Erythroid

Kidney

Hyperplasia, Hematopoietic

Liver

Inflammation, Chronic

Pituitary gland

Bile Duct

Hyperplasia, Nos

Spleen

Hemorrhage

Testis

Hematopoiesis

Aspermatogenesis

Atrophy, Nos

Tubule

Calcification, Nos

Interstitial-Cell Tumor

Trachea

Hyperplasia, Lymphoid

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_017

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Nasal cavity  
Preputial gland  
Spleen

Peyers Patch

Testis

Thyroid  
Trachea

Hyperplasia, Lymphoid  
Inflammation, Chronic Focal  
Inflammation, Chronic  
Inflammation, Suppurative  
Hematopoiesis  
Hemosiderosis  
Atrophy, Focal  
Interstitial-Cell Tumor  
Hyperplasia, C Cell  
Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_018

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|                 |           |                              |
|-----------------|-----------|------------------------------|
| Kidney          |           | Inflammation, Chronic Focal  |
| Liver           | Bile Duct | Hyperplasia, Focal           |
| Lung            |           | C-Cell Carcinoma, Metastatic |
| Preputial gland |           | Adenoma, Nos                 |
| Testis          |           | Atrophy, Nos                 |
|                 |           | Interstitial-Cell Tumor      |
| Thyroid         |           | C-Cell Carcinoma             |
| Trachea         |           | Inflammation, Nos            |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: C03065

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: 2-Amino-5-nitrothiazole

CAS Number: 121-66-4

Date Report Requested: 10/26/2014

Time Report Requested: 17:30:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4\_019

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

**OBSERVATIONS**

|        |                |                         |
|--------|----------------|-------------------------|
| Heart  | Myocardium Nos | Degeneration, Nos       |
|        | Myocardium Nos | Fibrosis                |
| Kidney |                | Congestion, Nos         |
| Liver  |                | Congestion, Nos         |
| Lung   |                | Alveolar Macrophages    |
|        |                | Congestion, Nos         |
|        |                | Fibrosis                |
|        | Pleura Nos     | Hydrothorax             |
|        |                | Necrosis, Focal         |
|        |                | Pigmentation, Nos       |
| Skin   |                | Hyperkeratosis          |
| Spleen |                | Atrophy, Nos            |
| Testis |                | Interstitial-Cell Tumor |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_020

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |           |                              |
|---------|-----------|------------------------------|
| Eye     |           | Cataract                     |
| Kidney  |           | Inflammation, Chronic Focal  |
| Liver   | Bile Duct | Hyperplasia, Focal           |
| Lung    |           | Alveolar/Bronchiolar Adenoma |
| Testis  |           | Atrophy, Nos                 |
|         |           | Interstitial-Cell Tumor      |
| Thyroid |           | Hyperplasia, C Cell          |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_021

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Brain

Lung

Testis

Thyroid

Unspecified

Stem

Bronchus

Multiple Organs Nos

Hyperplasia, Nos

Necrosis, Nos

Bronchiectasis

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_022

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic Focal

Lung

Alveolar Macrophages

Pancreas

Bronchus

Bronchiectasis

Spleen

Islets

Islet-Cell Adenoma

Testis

Fibrosis

Hematopoiesis

Thyroid

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_023

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                             |
|-------------|---------------------|-----------------------------|
| Heart       | Myocardium Nos      | Degeneration, Nos           |
| Kidney      |                     | Inflammation, Chronic Focal |
| Pancreas    | Duct Nos            | Hyperplasia, Focal          |
| Testis      |                     | Atrophy, Nos                |
|             |                     | Interstitial-Cell Tumor     |
| Thyroid     |                     | Hyperplasia, C Cell         |
| Unspecified | Multiple Organs Nos | Leukemia, Undifferentiated  |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_024

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Fibrous Histiocytoma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_025

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |           |                                      |
|-------------|-----------|--------------------------------------|
| Kidney      | Tubule    | Cast, Nos<br>Glomerulosclerosis, Nos |
| Liver       |           | Hematopoiesis                        |
|             | Bile Duct | Hyperplasia, Focal                   |
| Lung        | Alveoli   | Congestion, Nos                      |
|             | Alveoli   | Edema, Nos                           |
| Spleen      |           | Hematopoiesis                        |
| Stomach     |           | Erosion                              |
| Testis      |           | Atrophy, Nos                         |
|             |           | Interstitial-Cell Tumor              |
| Unspecified |           | Fibrosarcoma                         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_026

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Inflammation, Chronic Focal

Pituitary gland

Chromophobe Adenoma

Spleen

Hematopoiesis

Testis

Hemosiderosis

Atrophy, Nos

Trachea

Interstitial-Cell Tumor

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_027

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Spleen

Peyers Patch

Hyperplasia, Lymphoid

Hematopoiesis

Hemosiderosis

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_028

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |           |                             |
|-----------------|-----------|-----------------------------|
| Kidney          |           | Inflammation, Chronic Focal |
| Liver           | Bile Duct | Hyperplasia, Focal          |
| Lung            |           | Pneumonia, Chronic Murine   |
| Pituitary gland |           | Angiectasis                 |
|                 |           | Chromophobe Adenoma         |
| Skin            |           | Cyst, Nos                   |
| Testis          |           | Hyperkeratosis              |
|                 |           | Atrophy, Focal              |
|                 |           | Interstitial-Cell Tumor     |
| Thyroid         |           | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_029

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Nos

Eye

Lens, Capsule

Calcification, Nos

Kidney

Cataract

Prostate

Inflammation, Chronic Focal

Stomach

Inflammation, Suppurative

Testis

Ulcer, Focal

Unspecified

Multiple Organs Nos

Atrophy, Nos

Interstitial-Cell Tumor

Leukemia, Undifferentiated

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

**ANIMAL ID:** 4\_030

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                |                             |
|-----------------|----------------|-----------------------------|
| Bone marrow     |                | Hyperplasia, Hematopoietic  |
| Kidney          |                | Inflammation, Chronic Focal |
| Liver           |                | Hematopoiesis               |
|                 | Bile Duct      | Hyperplasia, Focal          |
| Lung            | Bronchus       | Hyperplasia, Lymphoid       |
| Pituitary gland |                | Angiectasis                 |
|                 |                | Chromophobe Adenoma         |
| Preputial gland |                | Carcinoma, Nos              |
| Spleen          |                | Leukemia, Undifferentiated  |
| Testis          |                | Atrophy, Nos                |
|                 |                | Interstitial-Cell Tumor     |
| Thyroid         |                | C-Cell Adenoma              |
|                 |                | Hyperplasia, C Cell         |
| Trachea         |                | Inflammation, Nos           |
| Unspecified     | Adipose Tissue | Inflammation, Focal         |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchopneumonia Acute Suppurative

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_032

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |        |                             |
|-----------------|--------|-----------------------------|
| Kidney          |        | Inflammation, Chronic Focal |
| Pancreas        | Islets | Islet-Cell Adenoma          |
| Preputial gland |        | Inflammation, Suppurative   |
| Spleen          |        | Hematopoiesis               |
|                 |        | Hemosiderosis               |
| Testis          |        | Atrophy, Nos                |
|                 |        | Interstitial-Cell Tumor     |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_033

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Kidney

Tubule

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Focal

Centrilobular

Metamorphosis, Fatty

Centrilobular

Pigmentation, Nos

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Granulocytic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_034

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                 |                              |
|--------|-----------------|------------------------------|
| Brain  | Meninges        | Thrombosis, Nos              |
| Heart  | Myocardium Nos  | Abscess, Nos                 |
|        | Endocardium Nos | Inflammation, Focal          |
| Kidney |                 | Abscess, Nos                 |
|        | Tubule          | Pigmentation, Nos            |
| Liver  |                 | Hematopoiesis                |
|        | Bile Duct       | Hyperplasia, Focal           |
|        |                 | Necrosis, Nos                |
| Lung   |                 | Alveolar/Bronchiolar Adenoma |
| Spleen |                 | Hematopoiesis                |
| Testis |                 | Atrophy, Nos                 |
|        |                 | Interstitial-Cell Tumor      |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_035

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |           |                           |
|---------|-----------|---------------------------|
| Liver   | Bile Duct | Hyperplasia, Focal        |
| Lung    |           | Pneumonia, Chronic Murine |
| Spleen  |           | Hematopoiesis             |
|         |           | Hemosiderosis             |
| Testis  |           | Atrophy, Nos              |
|         |           | Interstitial-Cell Tumor   |
| Trachea |           | Inflammation, Nos         |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_036

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain

Midbrain Nos

Necrosis, Nos

Eye

Cataract

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_037

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Spleen

Stomach

Testis

Thyroid

Unspecified

Angiectasis

Pheochromocytoma, Malignant

Inflammation, Chronic Focal

Pneumonia, Chronic Murine

Hematopoiesis

Hemosiderosis

Ulcer, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibroma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_038

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Eye

Cataract

Pituitary gland

Hyperplasia, Nos

Spleen

Hematopoiesis

Testis

Hemosiderosis

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Trachea

Hyperplasia, C Cell

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_039

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Intestine Large  
Kidney  
Liver  
Lung  
Pancreas  
  
Prostate  
Spleen  
  
Testis

Colon

Bile Duct

Islets

Pheochromocytoma  
Hyperplasia, Hematopoietic  
Nematodiasis  
Inflammation, Chronic  
Hyperplasia, Focal  
Pneumonia, Chronic Murine  
Edema, Nos  
Islet-Cell Adenoma  
Inflammation, Suppurative  
Granulopoiesis  
Hematopoiesis  
Lymphoma, Undifferentiated-Malignant Type  
Atrophy, Nos  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone marrow

Eye

Kidney

Liver

Bile Duct

Lung

Testis

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Hyperplasia, Nos

Cataract

Inflammation, Chronic Focal

Hyperplasia, Focal

Metamorphosis, Fatty

Alveolar/Bronchiolar Adenoma

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

**ANIMAL ID:** 4\_041

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |              |                             |
|-----------------|--------------|-----------------------------|
| Adrenal gland   | Medulla      | Hyperplasia, Focal          |
| Eye             |              | Cataract                    |
| Intestine Small | Peyers Patch | Hyperplasia, Lymphoid       |
| Kidney          |              | Inflammation, Chronic Focal |
| Liver           | Bile Duct    | Hyperplasia, Focal          |
| Preputial gland |              | Inflammation, Chronic       |
| Spleen          |              | Hematopoiesis               |
|                 |              | Hemosiderosis               |
| Testis          |              | Atrophy, Nos                |
|                 |              | Interstitial-Cell Tumor     |
| Thyroid         |              | Hyperplasia, C Cell         |
| Trachea         |              | Inflammation, Nos           |
| Urinary bladder | Submucosa    | Hemorrhage                  |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_042

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|         |                |                             |
|---------|----------------|-----------------------------|
| Heart   | Myocardium Nos | Degeneration, Nos           |
| Kidney  |                | Inflammation, Chronic Focal |
| Liver   | Bile Duct      | Hyperplasia, Focal          |
| Spleen  |                | Hematopoiesis               |
|         |                | Hemosiderosis               |
| Testis  |                | Atrophy, Nos                |
|         |                | Interstitial-Cell Tumor     |
| Thyroid |                | Hyperplasia, C Cell         |
| Trachea |                | Inflammation, Nos           |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_043

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|          |          |                         |
|----------|----------|-------------------------|
| Eye      |          | Cataract                |
| Kidney   |          | Inflammation, Chronic   |
| Lung     | Bronchus | Hyperplasia, Lymphoid   |
| Pancreas | Duct Nos | Hyperplasia, Focal      |
| Skin     |          | Cyst, Nos               |
| Spleen   |          | Hematopoiesis           |
|          |          | Hemosiderosis           |
| Testis   |          | Atrophy, Nos            |
|          |          | Interstitial-Cell Tumor |
| Thyroid  |          | Hyperplasia, C Cell     |
| Trachea  |          | Inflammation, Nos       |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_044

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |                |                             |
|---------|----------------|-----------------------------|
| Eye     | Cornea         | Inflammation, Interstitial  |
| Heart   | Myocardium Nos | Degeneration, Nos           |
|         | Myocardium Nos | Fibrosis                    |
| Kidney  |                | Inflammation, Chronic Focal |
| Lung    |                | Pneumonia, Chronic Murine   |
| Skin    |                | Trichoepithelioma           |
| Testis  |                | Atrophy, Nos                |
|         |                | Interstitial-Cell Tumor     |
| Thyroid |                | Hyperplasia, C Cell         |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_045

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

|                 |           |                           |
|-----------------|-----------|---------------------------|
| Eye             |           | Cataract                  |
| Kidney          |           | Inflammation, Chronic     |
| Liver           | Bile Duct | Hyperplasia, Focal        |
| Lung            |           | Pneumonia, Chronic Murine |
| Preputial gland |           | Inflammation, Chronic     |
| Spleen          |           | Hemosiderosis             |
| Testis          |           | Interstitial-Cell Tumor   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_046

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Intestine Small

Kidney

Lung

Spleen

Testis

Myocardium Nos

Peyers Patch

Ileum, Ileum

Cortical Carcinoma

Degeneration, Nos

Hyperplasia, Lymphoid

Mucocele

Inflammation, Chronic Diffuse

Alveolar Macrophages

Hematopoiesis

Hemosiderosis

Atrophy, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

**ANIMAL ID:** 4\_047

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

|                 |                     |                             |
|-----------------|---------------------|-----------------------------|
| Heart           | Endocardium Nos     | Inflammation, Focal         |
| Intestine Large | Colon               | Nematodiasis                |
| Intestine Small | Mesentery Nos       | Necrosis, Fat               |
| Kidney          |                     | Inflammation, Chronic Focal |
| Liver           | Bile Duct           | Hyperplasia, Focal          |
| Skin            |                     | Squamous Cell Papilloma     |
| Testis          |                     | Atrophy, Nos                |
|                 |                     | Interstitial-Cell Tumor     |
| Thyroid         |                     | C-Cell Adenoma              |
| Trachea         |                     | Inflammation, Nos           |
| Unspecified     | Multiple Organs Nos | Leukemia, Granulocytic      |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_048

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                  |                             |
|-------------|------------------|-----------------------------|
| Heart       | Myocardium Nos   | Degeneration, Nos           |
|             | Myocardium Nos   | Fibrosis                    |
| Kidney      |                  | Inflammation, Chronic Focal |
| Liver       | Bile Duct        | Hyperplasia, Focal          |
| Lung        |                  | Congestion, Nos             |
| Spleen      |                  | Hematopoiesis               |
|             |                  | Hemosiderosis               |
| Testis      |                  | Atrophy, Nos                |
|             |                  | Interstitial-Cell Tumor     |
| Unspecified | Abdominal Cavity | Necrosis, Fat               |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_049

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

|        |                           |
|--------|---------------------------|
| Heart  | Anitschkow-Cell Sarcoma   |
| Kidney | Inflammation, Chronic     |
| Lung   | Alveolar Macrophages      |
|        | Hemosiderosis             |
|        | Pneumonia, Chronic Murine |
| Spleen | Hematopoiesis             |
|        | Hemosiderosis             |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03065

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 2-Amino-5-nitrothiazole

**CAS Number:** 121-66-4

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

**Time Report Requested:** 17:30:56

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

**Lab:** NA

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**ANIMAL ID:** 4\_050

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|         |                |                                |
|---------|----------------|--------------------------------|
| Heart   | Myocardium Nos | Fibrosis, Focal                |
|         | Myocardium Nos | Inflammation, Focal            |
| Kidney  |                | Inflammation, Chronic Focal    |
| Lung    |                | Pneumonia, Chronic Murine      |
| Spleen  |                | Hematopoiesis                  |
|         |                | Hemosiderosis                  |
| Testis  |                | Atrophy, Nos                   |
|         |                | Hyperplasia, Interstitial Cell |
|         |                | Interstitial-Cell Tumor        |
| Thyroid |                | Follicular-Cell Carcinoma      |
| Trachea |                | Hyperplasia, Lymphoid          |
|         |                | Inflammation, Nos              |

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**PRIMARY CAUSE OF DEATH**

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