

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**C Number:** C01901

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
	Pelvis	Mineralization
Liver		Hepatocellular Carcinoma
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Bile Duct

Lung

Mammary gland

Prostate

Spleen

Testis

Pheochromocytoma

Glomerulonephritis, Nos

Angiectasis

Calculus, Unknown Gross Or Micro

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Focal

Hyperplasia, Nos

Inflammation, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
		Tubular-Cell Adenoma
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Resorption
Kidney		Adenocarcinoma, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung	Bronchus	Inflammation, Nos
Stomach		Acanthosis
		Ulcer, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Necrosis, Coagulative Pheochromocytoma
Eye	Medulla Retina	Thrombosis, Nos Atrophy, Nos Cataract
Heart	Cornea	Inflammation, Nos
Intestine Small	Myocardium Nos	Inflammation, Interstitial
Kidney	Peyers Patch	Hyperplasia, Nos Glomerulonephritis, Nos Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Spleen		Hemosiderosis Hyperplasia, Erythroid
Stomach		Ulcer, Nos
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Coronary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Metamorphosis, Fatty
		Neoplastic Nodule
Lung	Bronchus	Inflammation, Focal
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Lung		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Lymph node		Inflammation, Nos
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Hyperplasia, Tubular Cell
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Focal
		Inflammation, Interstitial
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Heart

Myocardium Nos

Fibrosis

Kidney

Myocardium Nos

Inflammation, Interstitial

Liver

Glomerulonephritis, Nos

Hyperplasia, Focal

Pancreas

Bile Duct

Hyperplasia, Nos

Preputial gland

Metamorphosis, Fatty

Inflammation, Nos

Spleen

Squamous Cell Carcinoma

Hyperplasia, Erythroid

Testis

Hyperplasia, Hematopoietic

Unspecified

Interstitial-Cell Tumor

Necrosis, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas		Inflammation, Nos
	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung	Bronchus	Inflammation, Focal
		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Unspecified	Breast	Fibrosis

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Epithelial
	Pelvis	Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pancreas

Pituitary gland

Prostate

Testis

Myocardium Nos

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hepatocellular Carcinoma

Inflammation, Nos

Chromophobe Adenoma

Inflammation, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Mineralization

Inflammation, Nos

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Trachea

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
	Pelvis	Transitional-Cell Carcinoma
		Tubular-Cell Adenoma
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung	Bronchus	Bronchiectasis
		Inflammation, Interstitial
		Transitional-Cell Carcinoma, Metastatic
Mammary gland		Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
Lymph node		Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Nos
Prostate		Hyperplasia, Nos
Spleen		Hemosiderosis
Stomach		Inflammation, Nos
		Squamous Cell Papilloma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Bone marrow		Megakaryocytosis
Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Prostate

Spleen

Stomach

Testis

Trachea

Myocardium Nos

Myocardium Nos

Pelvis

Bile Duct

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Epithelial

Mineralization

Hyperplasia, Focal

Hyperplasia, Nos

Alveolar/Bronchiolar Carcinoma

Inflammation, Focal

Inflammation, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Acanthosis

Interstitial-Cell Tumor

Inflammation, Nos

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Epithelial
		Pneumonia, Chronic Murine
Prostate		Inflammation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
		Mineralization

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Prostate

Spleen

Stomach

Testis

Myocardium Nos

Myocardium Nos

Bile Duct

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Metamorphosis, Fatty

Inflammation, Interstitial

Hyperplasia, Nos

Inflammation, Nos

Hyperplasia, Erythroid

Squamous Cell Carcinoma

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Tubular-Cell Adenoma
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Interstitial
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Nodule
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Spleen		Hemosiderosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Tubular-Cell Adenoma
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Skin		Hyperkeratosis
		Squamous Cell Papilloma
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Neoplastic Nodule
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Tubular-Cell Adenoma
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Pancreas		Inflammation, Nos
Spleen		Congestion, Nos
Stomach		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas	Islets	Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Nematodiasis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lymph node		Lymphocytosis
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Neoplastic Nodule
Pancreas		Inflammation, Nos
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Carcinoma
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Pituitary gland

Salivary gland

Spleen

Testis

Myocardium Nos

Bile Duct

Parotid Gland Nos

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Inflammation, Interstitial

Inflammation, Nos

Chromophobe Adenoma

Hyperplasia, Focal

Hemosiderosis

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Mammary gland		Galactocele
		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Stomach	Omentum Nos	Necrosis, Nos
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Prostate

Spleen

Stomach

Testis

Myocardium Nos

Bile Duct

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Inflammation, Interstitial

Inflammation, Nos

Inflammation, Nos

Hemosiderosis

Hyperplasia, Erythroid

Acanthosis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Fibrosis

Kidney

Myocardium Nos

Inflammation, Interstitial

Liver

Glomerulonephritis, Nos

Hyperplasia, Tubular Cell

Bile Duct

Hyperplasia, Focal

Hyperplasia, Nos

Bile Duct

Inflammation, Nos

Lung

Inflammation, Interstitial

Pituitary gland

Chromophobe Adenoma

Spleen

Leukemia, Myelomonocytic

Stomach

Acanthosis

Hyperkeratosis

Testis

Ulcer, Nos

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
	Tubule	Necrosis, Focal
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Spleen

Hyperplasia, Erythroid

Testis

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Pituitary gland

Prostate

Spleen

Testis

Myocardium Nos

Bile Duct

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Tubular Cell

Hepatocellular Carcinoma

Hyperplasia, Nos

Hyperplasia, Nos

Chromophobe Adenoma

Inflammation, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Prostate

Inflammation, Nos

Spleen

Hemosiderosis

Hyperplasia, Erythroid

Testis

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Heart  
Kidney

Pulmonary Artery Nos  
Myocardium Nos

Mineralization  
Inflammation, Interstitial  
Glomerulonephritis, Nos  
Hyperplasia, Tubular Cell

Liver

Bile Duct

Hyperplasia, Nos  
Neoplastic Nodule

Lung

Mammary gland

Inflammation, Interstitial  
Galactocele

Pancreas

Prostate

Testis

Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Interstitial-Cell Tumor

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis Hyperplasia, Erythroid
Stomach		Hyperplasia, Hematopoietic Acanthosis Hyperkeratosis
Testis		Ulcer, Nos Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Interstitial
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pancreas

Pituitary gland

Spleen

Testis

Myocardium Nos

Bile Duct

Pheochromocytoma

Inflammation, Interstitial

Hyperplasia, Tubular Cell

Hyperplasia, Focal

Hyperplasia, Nos

Metamorphosis, Fatty

Inflammation, Nos

Hyperplasia, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Nos

Pituitary gland

Adenoma, Nos

Spleen

Congestion, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
	Pelvis	Hyperplasia, Epithelial
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach		Inflammation, Acute/Chronic
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
	Pelvis	Hyperplasia, Epithelial
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Focal
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Nos
Seminal vesicle		Atrophy, Nos
Spleen		Hemosiderosis
Stomach		Hyperkeratosis
Testis		Interstitial-Cell Tumor
	Tubule	Mineralization

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 1-Amino-2-methylantraquinone  
**CAS Number:** 82-28-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:17:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 600 PPM

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

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

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
		Tubular-Cell Adenoma
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Lymph node		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor
	Tubule	Mineralization
Unspecified	Body Cavities	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Epithelial
	Bronchus	Inflammation, Focal
		Inflammation, Interstitial
Lymph node		Plasmacytosis
Testis		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Interstitial
Lymph node		Hyperplasia, Lymphoid
Pancreas		Inflammation, Nos
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone		Fibrosis
		Resorption
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Abscess, Nos
		Hyperplasia, Nos
		Necrosis, Hemorrhagic
Pancreas	Duct Nos	Hyperplasia, Nos
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Blood vessel  
Heart  
Intestine Small  
Kidney  
  
Liver  
  
Lung  
Mammary gland  
Prostate  
Spleen  
Testis

Pulmonary Artery Nos  
Myocardium Nos  
Peyers Patch

Bile Duct

Pheochromocytoma  
Mineralization  
Inflammation, Interstitial  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Tubular-Cell Adenocarcinoma  
Hepatocellular Carcinoma  
Hyperplasia, Nos  
Inflammation, Interstitial  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Erythroid  
Atrophy, Nos  
Interstitial-Cell Tumor  
Mineralization

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Duct

Hyperplasia, Nos

Necrosis, Coagulative

Prostate

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Heart  
Kidney

Pulmonary Artery Nos  
Myocardium Nos

Mineralization  
Inflammation, Interstitial  
Glomerulonephritis, Nos  
Hyperplasia, Tubular Cell

Liver

Bile Duct

Hepatocellular Carcinoma  
Hyperplasia, Nos  
Metamorphosis, Fatty

Lung  
Lymph node  
Pancreas  
Prostate  
Testis  
Thyroid  
Unspecified

Inflammation, Interstitial  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Interstitial-Cell Tumor  
Hyperplasia, C Cell  
Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Glomerulonephritis, Nos
	Pelvis	Transitional-Cell Carcinoma
		Tubular-Cell Adenoma
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Tubular-Cell Adenocarcinoma
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Lymph node		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Angiectasis
		Cholesterol Deposit
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung	Bronchus	Inflammation, Focal
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Skin		Acanthosis
		Hyperkeratosis
Stomach		Hyperplasia, Nos
		Inflammation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Body Cavities	Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Kidney

Medulla

Hyperplasia, Nodular  
Glomerulonephritis, Nos  
Tubular-Cell Adenoma

Liver  
Lymph node  
Stomach

Bile Duct

Hyperplasia, Nos  
Plasmacytosis  
Acanthosis  
Hyperkeratosis

Testis  
Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor  
Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Small

Kidney

Myocardium Nos

Peyers Patch

Pheochromocytoma

Inflammation, Interstitial

Hyperplasia, Nos

Glomerulonephritis, Nos

Glomerulosclerosis, Nos

Hyperplasia, Tubular Cell

Liver

Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Lung

Hyperplasia, Epithelial

Inflammation, Interstitial

Mammary gland

Hyperplasia, Nos

Prostate

Inflammation, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Tubule

Mineralization

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Blood vessel

Heart

Kidney

Liver

Pituitary gland

Prostate

Stomach

Testis

Pulmonary Artery Nos

Myocardium Nos

Bile Duct

Pheochromocytoma

Mineralization

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Neoplastic Nodule

Chromophobe Adenoma

Inflammation, Nos

Acanthosis

Hyperkeratosis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Kidney

Pulmonary Artery Nos

Mineralization  
Glomerulonephritis, Nos  
Hyperplasia, Tubular Cell

Liver  
Lung  
Mammary gland  
Pancreas

Bile Duct

Hyperplasia, Nos  
Inflammation, Interstitial  
Hyperplasia, Nos

Prostate

Inflammation, Nos

Stomach

Mucosa

Inflammation, Nos

Testis

Degeneration, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Kidney

Peyers Patch

Hyperplasia, Nos  
Fibrosis, Focal  
Glomerulonephritis, Nos

Tubule

Necrosis, Nos  
Tubular-Cell Adenocarcinoma

Liver

Bile Duct

Hyperplasia, Nos  
Metamorphosis, Fatty  
Neoplastic Nodule

Lung

Bronchus

Bronchiectasis  
Inflammation, Interstitial

Mammary gland

Galactocele  
Hyperplasia, Nos

Spleen

Hemosiderosis

Stomach

Ulcer, Nos

Testis

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Focal
		Inflammation, Interstitial
Lymph node		Lymphocytosis
		Reticulocytosis
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Atrophy, Nos
Unspecified		Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
		Tubular-Cell Adenoma
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Interstitial
	Bronchus	Inflammation, Suppurative
Pancreas	Acinus	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung	Bronchiole	Inflammation, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach		Acanthosis
		Hyperkeratosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Heart  
Kidney

Pulmonary Artery Nos  
Myocardium Nos

Mineralization  
Inflammation, Interstitial  
Glomerulonephritis, Nos

Liver

Tubule

Mineralization  
Hepatocellular Carcinoma  
Hyperplasia, Nos

Lung  
Pituitary gland  
Spleen  
Testis

Bile Duct

Metamorphosis, Fatty  
Inflammation, Interstitial  
Chromophobe Adenoma  
Hyperplasia, Erythroid  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Prostate

Testis

Unspecified

Urinary bladder

Multiple Organs Nos

Glomerulonephritis, Nos

Inflammation, Nos

Interstitial-Cell Tumor

Lymphoma, Nos-Malignant

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Lymph node		Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis
		Glomerulonephritis, Nos
Liver	Tubule	Necrosis, Focal
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Lymph node		Hyperplasia, Nos
Pancreas	Acinus	Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Acanthosis
		Hyperkeratosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
	Tubule	Mineralization

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Kidney

Liver

Prostate

Spleen

Testis

Thyroid

Retina

Myocardium Nos

Bile Duct

Pheochromocytoma

Atrophy, Nos

Cataract

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Tubular Cell

Cytoplasmic Vacuolization

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Nos

Hyperplasia, Erythroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos Tubular-Cell Adenocarcinoma
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
	Tubule	Mineralization
Unspecified	Body Cavities	Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Cholesterol Deposit
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Pituitary gland		Hyperplasia, Nos
Prostate		Hyperplasia, Focal
Spleen		Hyperplasia, Reticulum Cell
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney

Medulla  
Peyers Patch

Hyperplasia, Nodular  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Tubular Cell

Liver

Bile Duct

Hyperplasia, Nos  
Neoplastic Nodule  
Hyperplasia, Focal  
Inflammation, Nos  
Hyperplasia, Erythroid  
Interstitial-Cell Tumor  
Inflammation, Nos  
Necrosis, Fat

Pituitary gland  
Prostate  
Spleen  
Testis  
Trachea  
Unspecified

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos Hyperplasia, Tubular Cell
Liver		Hyperplasia, Focal
Lung	Bile Duct	Hyperplasia, Nos
Mammary gland		Alveolar/Bronchiolar Adenoma
Spleen		Hyperplasia, Nos Hemosiderosis
Testis		Hyperplasia, Erythroid
Thyroid		Interstitial-Cell Tumor C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Nos
		Inflammation, Suppurative
Pancreas		Inflammation, Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Pancreas

Acinus

Hyperplasia, Focal

Prostate

Inflammation, Nos

Spleen

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Endocardium Nos	Inflammation, Focal
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
		Mineralization

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Inflammation, Granulomatous Focal
Eye		Cataract
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
Lymph node		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Pelvis

Glomerulonephritis, Nos

Mineralization

Liver

Bile Duct

Tubular-Cell Adenoma

Hyperplasia, Nos

Lung

Bronchus

Neoplastic Nodule

Inflammation, Focal

Spleen

Inflammation, Interstitial

Stomach

Hyperplasia, Erythroid

Testis

Squamous Cell Papilloma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylanthraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Lung

Mammary gland

Spleen

Testis

Thyroid

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Cytoplasmic Vacuolization

Hepatocellular Carcinoma

Hyperplasia, Nos

Pneumonia, Lobar Nos

Hyperplasia, Nos

Hyperplasia, Erythroid

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Inflammation, Interstitial
Lymph node		Hyperplasia, Lymphoid
Skin		Cyst, Epidermal Inclusion
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos

Hyperplasia, Nodular  
Fibrosis  
Glomerulonephritis, Nos  
Hyperplasia, Tubular Cell

Liver

Bile Duct

Hyperplasia, Focal

Lymph node  
Mammary gland  
Pancreas  
Testis

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Acanthosis
		Inflammation, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Hemosiderosis
		Inflammation, Interstitial
Pancreas		Hemorrhage
		Inflammation, Nos
Stomach	Omentum Nos	Necrosis, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Prostate		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney

Peyers Patch

Hyperplasia, Nos  
Glomerulonephritis, Nos  
Tubular-Cell Adenoma

Liver

Hepatocellular Carcinoma

Lung

Bile Duct

Hyperplasia, Nos  
Inflammation, Interstitial  
Mineralization

Mammary gland

Hyperplasia, Nos

Pancreas

Inflammation, Nos

Prostate

Inflammation, Nos

Spleen

Hyperplasia, Erythroid

Stomach

Acanthosis

Testis

Hyperkeratosis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Prostate

Testis

Nephrosis, Nos

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Large  
Kidney  
Liver  
Lymph node  
Testis

Colon

Mandibular Lymph Node

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Heart  
Kidney

Pulmonary Artery Nos  
Myocardium Nos  
Pelvis

Liver  
Lung  
Pancreas  
Testis

Islets

Mineralization  
Fibrosis, Focal  
Mineralization  
Nephrosis, Nos  
Necrosis, Focal  
Inflammation, Focal  
Islet-Cell Adenoma  
Degeneration, Nos  
Interstitial-Cell Tumor  
Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Angiectasis

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Mandibular Lymph Node

Dilatation, Nos

Lymph node

Prostate

Inflammation, Acute

Testis

Degeneration, Nos

Interstitial-Cell Tumor

Trachea

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Prostate

Testis

Trachea

Myocardium Nos

Myocardium Nos

Pheochromocytoma

Fibrosis, Focal

Inflammation, Interstitial

Nephrosis, Nos

Metamorphosis, Fatty

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_006

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Prostate

Testis

Fibrosis, Focal

Nephrosis, Nos

Hyperplasia, Focal

Inflammation, Acute

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone marrow

Heart

Kidney

Liver

Preputial gland

Seminal vesicle

Stomach

Testis

Unspecified

Myocardium Nos

Multiple Organs Nos

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

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Skin

Testis

Pheochromocytoma

Inflammation, Acute/Chronic

Nephrosis, Nos

Hyperplasia, Focal

Basal-Cell Carcinoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Nephrosis, Nos

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Fibrosis, Diffuse

Kidney

Nephrosis, Nos

Liver

Metamorphosis, Fatty

Prostate

Inflammation, Acute

Testis

Degeneration, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephrosis, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Liver

Lung

Fibrosis, Focal

Necrosis, Focal

Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Skin

Testis

Nephrosis, Nos

Galactocele

Squamous Cell Papilloma

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Glomerulonephritis, Nos

Pancreas

Inflammation, Acute/Chronic

Prostate

Inflammation, Focal

Testis

Degeneration, Nos

Trachea

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Pheochromocytoma

Blood vessel

Pulmonary Artery Nos

Mineralization

Intestine Large

Colon

Nematodiasis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Hyperplasia, Nos

Testis

Degeneration, Nos

Trachea

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Prostate

Testis

Trachea

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Ganglioneuroma

Kidney

Pheochromocytoma

Testis

Nephrosis, Nos

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Liver

Centrilobular

Degeneration, Eosinophilic

Prostate

Inflammation, Acute Focal

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_027

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Prostate

Testis

Trachea

Pheochromocytoma

Fibrosis, Focal

Nephrosis, Nos

Necrosis, Focal

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Acute Focal

Degeneration, Nos

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pancreas

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Inflammation, Acute/Chronic

Nephrosis, Nos

Hyperplasia, Nos

Necrosis, Focal

Inflammation, Acute/Chronic

Degeneration, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

Pulmonary Artery Nos  
Ileum, Ileum

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Angiectasis

Kidney

Metamorphosis, Fatty

Liver

Nephrosis, Nos

Testis

Metamorphosis, Fatty

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Liver  
Lung  
Skin  
Testis  
  
Trachea  
Unspecified

Peyers Patch

Ear

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Blood vessel

Bone marrow

Kidney

Liver

Testis

Pulmonary Artery Nos

Pheochromocytoma

Mineralization

Fibrosis, Myelo

Nephrosis, Nos

Hyperplasia, Focal

Metamorphosis, Fatty

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Testis

Unspecified

Bronchus

Multiple Organs Nos

Angiectasis

Nephrosis, Nos

Abscess, Nos

Bronchiectasis

Degeneration, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Glomerulonephritis, Nos

Liver

Necrosis, Focal

Testis

Interstitial-Cell Tumor

Trachea

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Pancreas

Inflammation, Acute/Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Adipose Tissue

Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Mammary gland

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

Prostate  
Testis

Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Erythropoiesis

Lung

Bronchus

Bronchiectasis

Mammary gland

Fibroadenoma

Spleen

Erythropoiesis

Testis

Degeneration, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephrosis, Nos

Liver

Angiectasis

Bile Duct

Hyperplasia, Nos

Pancreas

Inflammation, Acute/Chronic

Testis

Degeneration, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

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

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Coronary Artery Nos

Perivasculitis

Kidney

Nephrosis, Nos

Lung

Bronchiectasis

Pancreas

Bronchus

Islet-Cell Adenoma

Prostate

Islets

Inflammation, Acute Focal

Testis

Degeneration, Nos

Trachea

Interstitial-Cell Tumor

Unspecified

Body Cavities

Inflammation, Acute/Chronic

Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Prostate

Testis

Nephrosis, Nos

Necrosis, Focal

Inflammation, Acute

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

---

**ANIMAL ID:** 3\_046

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Testis

Glomerulonephritis, Nos  
Hyperplasia, Focal  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Hyperplasia, Hematopoietic

Kidney

Nephrosis, Nos

Liver

Inflammation, Necrotizing

Lung

Carcinoma, Nos, Metastatic

Preputial gland

Carcinoma, Nos

Seminal vesicle

Atrophy, Nos

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Fibrosis, Focal

Kidney

Nephrosis, Nos

Pituitary gland

Hyperplasia, Focal

Testis

Degeneration, Nos

Trachea

Interstitial-Cell Tumor

Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Kidney

Nephrosis, Nos

Liver

Hyperplasia, Focal

Necrosis, Focal

Pituitary gland

Adenoma, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01901

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 1-Amino-2-methylantraquinone

**CAS Number:** 82-28-0

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

**Time Report Requested:** 16:17:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

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

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**PRIMARY CAUSE OF DEATH**

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