

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**C Number:** C03043

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Pituitary gland		Hyperplasia, Focal
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:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver		Angiectasis
		Hematopoiesis
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Lymph node		Lymphocytosis
		Reticulocytosis
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Nos
Skin		Squamous Cell Carcinoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Prostate

Spleen

Testis

Myocardium Nos

Myocardium Nos

Duct Nos

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Focal

Metamorphosis, Fatty

Inflammation, Interstitial

Reticulocytosis

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Hemosiderosis

Hyperplasia, Erythroid

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Brain

Mineralization

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Liver

Hepatocellular Carcinoma

Mammary gland

Hyperplasia, Nos

Spleen

Hemosiderosis

Testis

Hyperplasia, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Lung

Spleen

Testis

Unspecified

Bile Duct

Bronchus

Body Cavities

Pheochromocytoma

Glomerulonephritis, Nos

Angiectasis

Hyperplasia, Nos

Inflammation, Interstitial

Metaplasia, Squamous

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Atrophy, Nos

Interstitial-Cell Tumor

Mineralization

Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Pancreas		Inflammation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Skin	Sebaceous Gland	Adenoma, Nos
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Neoplasm, Nos
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, 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:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Heart

Myocardium Nos

Fibrosis

Kidney

Myocardium Nos

Inflammation, Interstitial

Liver

Bile Duct

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Nos

Neoplastic Nodule

Mammary gland

Hyperplasia, Nos

Pancreas

Inflammation, Nos

Parathyroid gland

Hyperplasia, Nos

Skin

Squamous Cell Papilloma

Spleen

Hyperplasia, Erythroid

Testis

Hyperplasia, Hematopoietic

Urinary bladder

Interstitial-Cell Tumor

Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Preputial gland		Necrosis, Nos
Prostate		Inflammation, Nos
Skin		Squamous Cell Papilloma
Spleen		Hemosiderosis
Testis	Tubule	Degeneration, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Osteosclerosis
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Lung		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Zymbal gland		Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Parasitism
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Zymbal gland		Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Oligodendroglioma
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Nos
Skin		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Spleen

Stomach

Testis

Myocardium Nos

Myocardium Nos

Bile Duct

Cortical Adenoma

Fibrosis

Inflammation, Interstitial

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Neoplastic Nodule

Adenoma, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Hyperplasia, Basal Cell

Hyperplasia, Focal

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Intestine Small

Kidney

Liver

Lung

Mammary gland

Parathyroid gland

Prostate

Testis

Myocardium Nos

Myocardium Nos

Peyers Patch

Bile Duct

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Hyperplasia, Nos

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Nos

Neoplastic Nodule

Inflammation, Interstitial

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Pancreas

Skin

Spleen

Stomach

Testis

Myocardium Nos

Myocardium Nos

Bile Duct

Acinus

Megakaryocytosis

Fibrosis

Inflammation, Interstitial

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Epithelial

Hyperplasia, Focal

Hyperplasia, Nos

Hyperplasia, Focal

Basal-Cell Carcinoma

Hyperplasia, Erythroid

Hyperplasia, Focal

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Carcinoma, Nos, Metastatic
		Inflammation, Interstitial
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Zymbal gland		Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Pituitary gland

Prostate

Seminal vesicle

Spleen

Testis

Thyroid

Myocardium Nos

Myocardium Nos

Tubule

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Fibrosis, Diffuse

Glomerulonephritis, Nos

Metamorphosis, Fatty

Inflammation, Interstitial

Hyperplasia, Nos

Inflammation, Nos

Chromophobe Adenoma

Inflammation, Nos

Hyperplasia, Papillary

Hemosiderosis

Degeneration, Nos

C-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Spleen		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Mammary gland

Thyroid

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Hyperplasia, Nos

C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Prostate

Testis

Myocardium Nos

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Glomerulosclerosis, Nos

Inflammation, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small  
Kidney

Peyers Patch

Hyperplasia, Nos  
Fibrosis, Diffuse  
Glomerulonephritis, Nos  
Hyperplasia, Adenomatous  
Neoplastic Nodule  
Hyperplasia, Nos  
Adenoma, Nos  
Hyperplasia, Erythroid  
Hyperplasia, Hematopoietic  
Interstitial-Cell Tumor  
Follicular-Cell Carcinoma  
Carcinoma, Nos

Liver  
Mammary gland  
Pituitary gland  
Spleen

Testis  
Thyroid  
Unspecified

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Astrocytoma
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Adenocarcinoma, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
	Tubule	Mineralization

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Heart

Myocardium Nos

Fibrosis

Kidney

Myocardium Nos

Inflammation, Interstitial

Lung

Glomerulonephritis, Nos

Pituitary gland

Hyperplasia, Epithelial

Spleen

Adenoma, Nos

Testis

Hyperplasia, Erythroid

Trachea

Hyperplasia, Hematopoietic

Unspecified

Interstitial-Cell Tumor

Zymbal gland

Inflammation, Nos

Adenoma, Nos

Carcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Fibrosis, Diffuse

Liver

Glomerulonephritis, Nos

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Epithelial

Stomach

Inflammation, Interstitial

Hyperplasia, Basal Cell

Testis

Hyperplasia, Focal

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Heart

Intestine Small

Kidney

Liver

Pituitary gland

Spleen

Testis

Myocardium Nos

Myocardium Nos

Peyers Patch

Bile Duct

Megakaryocytosis

Fibrosis

Inflammation, Interstitial

Hyperplasia, Nos

Glomerulonephritis, Nos

Bile Duct Carcinoma

Hepatocellular Carcinoma

Adenoma, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Lung  
Testis

Peyers Patch

Pheochromocytoma  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Granuloma, Foreign Body  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney	Glomerulonephritis, Nos
Mammary gland	Hyperplasia, Nos
Pancreas	Inflammation, Nos
Preputial gland	Carcinoma, Nos
Prostate	Inflammation, Nos
Skin	Inflammation, Necrotizing
Spleen	Hyperplasia, Erythroid
	Hyperplasia, Hematopoietic
Testis	Hyperplasia, Interstitial Cell
	Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Neoplastic Nodule
Lymph node		Reticulocytosis
Pancreas		Inflammation, Nos
	Islets	Islet-Cell Adenoma
Skin		Inflammation, Necrotizing
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Pituitary gland

Spleen

Testis

Myocardium Nos

Myocardium Nos

Bile Duct

Bronchus

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hyperplasia, Nos

Neoplastic Nodule

Alveolar/Bronchiolar Carcinoma

Inflammation, Nos

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Adenoma, Nos

Hyperplasia, Erythroid

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 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
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Hyperplasia, Nos
		Interstitial-Cell Tumor
Unspecified		Abscess, Nos
Zymbal gland		Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
		Tubular-Cell Adenoma
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Inflammation, Necrotizing
Pancreas	Acinus	Hypertrophy, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Stomach		Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Interstitial
	Ventricle	Pheochromocytoma, Metastatic
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
		Hyperplasia, Tubular Cell
Liver		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Pheochromocytoma, Metastatic
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Hyperplasia, Basal Cell
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos Transitional-Cell Carcinoma
Liver		Bile Duct Adenoma Hepatocellular Carcinoma
Preputial gland		Adenoma, Nos
Testis		Atrophy, Nos Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Intestine Small

Kidney

Liver

Lymph node

Pancreas

Prostate

Testis

Unspecified

Myocardium Nos

Myocardium Nos

Peyers Patch

Islets

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Hyperplasia, Nos

Fibrosis, Diffuse

Glomerulonephritis, Nos

Hepatocellular Carcinoma

Hyperplasia, Nos

Islet-Cell Adenoma

Inflammation, Nos

Interstitial-Cell Tumor

Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney

Jejunum

Pheochromocytoma  
Cystadenocarcinoma, Nos  
Fibrosis, Diffuse  
Glomerulonephritis, Nos  
Glomerulosclerosis, Nos  
Angiectasis  
Neoplastic Nodule  
Hyperplasia, Epithelial  
Inflammation, Interstitial  
Inflammation, Nos  
Hyperplasia, Erythroid  
Hyperplasia, Hematopoietic  
Necrosis, Nos  
Interstitial-Cell Tumor

Liver

Lung

Prostate

Spleen

Stomach

Testis

Omentum Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver		Neoplastic Nodule
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Preputial gland		Adenoma, Nos
Stomach		Hyperplasia, Basal Cell
Testis		Interstitial-Cell Tumor
Unspecified		Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Body Cavities	Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos
Intestine Large	Colon
Kidney	
Liver	
	Bile Duct
Pituitary gland	
Spleen	
Testis	
	Tubule

Mineralization
Adenomatous Polyp, Nos
Glomerulonephritis, Nos
Hyperplasia, Focal
Hyperplasia, Nos
Hyperplasia, Nos
Hemosiderosis
Hyperplasia, Interstitial Cell
Mineralization

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Lung		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Zymbal gland		Carcinoma, Nos

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Interstitial
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Stomach		Acanthosis
		Hyperkeratosis
Testis		Inflammation, Focal
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Myelomonocytic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Lung		Squamous Cell Carcinoma, Metastatic
Lymph node		Squamous Cell Carcinoma, Metastatic
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Hypertrophy, Focal
Skin		Squamous Cell Carcinoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
		Inflammation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Lymph node		Reticulocytosis
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Nos
Skin		Inflammation, Necrotizing
Testis		Interstitial-Cell Tumor
Zymbal gland		Carcinoma, Nos

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Neoplastic Nodule
Lymph node		Hyperplasia, Lymphoid
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Thyroid		Lymphocytic Inflammatory Infiltrate
Unspecified		Fibroma
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Prostate

Testis

Myocardium Nos

Myocardium Nos

Bile Duct

Bronchus

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Inflammation, Interstitial

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Mineralization

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver

Colon  
  
Bile Duct

Lymph node  
Mammary gland  
Pancreas  
Pituitary gland  
Prostate  
Testis

Parasitism  
Glomerulonephritis, Nos  
Hyperplasia, Nos  
Necrosis, Focal  
Hyperplasia, Lymphoid  
Hyperplasia, Nos  
Inflammation, Nos  
Adenoma, Nos  
Inflammation, Nos  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lung

Prostate

Testis

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Pneumonia, Chronic Murine

Inflammation, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_005

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Myocardium Nos

Bile Duct

Bronchus

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Esophagus

Heart

Kidney

Liver

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Dysplasia, Nos

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver

Peyers Patch

Hyperplasia, Nos  
Glomerulonephritis, Nos  
Angiectasis

Bile Duct

Hyperplasia, Nos  
Adenoma, Nos  
Adenoma, Nos  
Interstitial-Cell Tumor  
Hyperplasia, Epithelial

Parathyroid gland  
Pituitary gland  
Testis  
Urinary bladder

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Pituitary gland  
Prostate

Glomerulonephritis, Nos  
Adenoma, Nos  
Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Ileum, Ileum	Inflammation, Nos
	Ileum, Ileum	Sarcoma, Nos
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Kidney		Fibrosis, Diffuse Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Nos
Pancreas		Adenoma, Nos
Pituitary gland		Necrosis, Fat
Stomach	Omentum Nos	Interstitial-Cell Tumor
Testis		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Brain		Glioma, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Stomach	Omentum Nos	Necrosis, Fat
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Peyers Patch

Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos

Lung

Inflammation, Interstitial

Mammary gland

Galactocele

Prostate

Inflammation, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Myelomonocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Fibrosis, Septal Liver
	Bile Duct	Hyperplasia, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Fibrosis, Diffuse
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Galactocele
Pituitary gland		Adenoma, Nos
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:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Myocardium Nos

Pheochromocytoma  
Inflammation, Interstitial  
Fibrosis, Diffuse  
Glomerulonephritis, Nos  
Hyperplasia, Nos  
Hyperplasia, Lymphoid  
Fibrosis  
Interstitial-Cell Tumor

Liver  
Lymph node  
Spleen  
Testis

Bile Duct

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Intestine Small

Peyers Patch  
Ileum, Ileum

Hyperplasia, Nos  
Inflammation, Nos  
Glomerulonephritis, Nos

Kidney

Liver

Lung

Mammary gland

Pancreas

Pituitary gland

Prostate

Testis

Bile Duct  
Bronchus

Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Hyperplasia, Focal  
Inflammation, Nos  
Hyperplasia, Interstitial Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lymph node		Plasmacytosis
Pancreas		Inflammation, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 0

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

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Parasitism
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

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

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Nos
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos
Unspecified		Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Intestine Large  
Intestine Small  
Kidney  
Liver  
  
Testis

Colon  
Peyers Patch  
  
Bile Duct

Parasitism  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hepatocellular Carcinoma  
Hyperplasia, Nos  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 0

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

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
Heart	Myocardium Nos	Fibrosis
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Mammary gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Salivary gland		Sarcoma, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Inflammation, Necrotizing
Pancreas	Islets	Hyperplasia, Nos
		Inflammation, Nos
Prostate		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Prostate

Testis

Unspecified

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Glomerulonephritis, Nos

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Interstitial-Cell Tumor

Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Testis

Myocardium Nos

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Pheochromocytoma, Metastatic
Lymph node		Hyperplasia, Lymphoid
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Testis	Bile Duct	Hyperplasia, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Testis

Thyroid

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Parathyroid gland		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Nos
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Nos

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 0

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

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Salivary gland		Adenocarcinoma, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Fibrosis, Septal Liver
	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Body Cavities	Mesothelioma, Malignant
		Metaplasia, Osseous
		Sarcoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Inflammation, Nos
Lymph node		Hemorrhage
Pituitary gland		Adenoma, Nos
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:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

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

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas	Acinus	Hyperplasia, Focal
		Inflammation, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Testis

Bile Duct

Pheochromocytoma

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Kidney

Spleen

Testis

Glomerulonephritis, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	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:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Pancreas		Inflammation, Nos
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:** C03043

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** 3-Amino-9-ethylcarbazole HCl

**CAS Number:** 6109-97-3

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

**Time Report Requested:** 15:43:35

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

**Lab:** NA

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**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 0

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

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

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Fibrosis, Diffuse Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Stomach		Hyperplasia, Nos
		Hyperplasia, Basal Cell
Testis		Inflammation, Nos Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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

\* PROTOCOL REQUIRED TISSUE