

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

**C Number:** C01898

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_001

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

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

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

**OBSERVATIONS**

Lung	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
Stomach	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
	Cyst, Epidermal Inclusion
Trachea	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic
	Inflammation, Chronic

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
	Cartilage,Nos	Cyst, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_002

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

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

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

**OBSERVATIONS**

Bile Duct

Prostate

Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell

Testis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_003

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
Lung	Mucous Gland	Abscess, Nos
	Mucous Gland	Abscess, Nos
	Mucous Gland	Abscess, Nos
	Mucous Gland	Abscess, Nos
	Mucous Gland	Abscess, Nos
	Mucous Gland	Abscess, Nos
	Mucous Gland	Abscess, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_003

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

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

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

**OBSERVATIONS**

Mucous Gland	Abscess, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Mucous Gland	Necrosis, Nos
Pancreas	Acinus
	Atrophy, Nos
	Acinus
	Atrophy, Nos
	Acinus
	Atrophy, Nos
	Acinus
	Atrophy, Nos
	Acinus
	Atrophy, Nos
	Acinus
	Atrophy, Nos
	Acinus
	Atrophy, Nos
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Hyperplasia, Intraductal
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_003

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

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

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

**OBSERVATIONS**

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

Urinary bladder

Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Hyperplasia, Epithelial

Hyperplasia, Epithelial

Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Acinus

Atrophy, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Prostate

Testis

Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule

Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_004

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

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

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

**OBSERVATIONS**

Trachea

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

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_005

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Mammary gland		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_005

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

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

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

**OBSERVATIONS**

Acinus

Atrophy, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Prostate

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Trachea

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

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
Trachea		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
	Acinus	Atrophy, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_007

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

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

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

**OBSERVATIONS**

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Testis

Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule

Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Interstitial-Cell Tumor

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
Liver	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_008

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

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

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

**OBSERVATIONS**

	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
	Bile Duct	Inflammation, Nos
Lung		Inflammation, Focal
		Inflammation, Focal
		Inflammation, Focal
		Inflammation, Focal
		Inflammation, Focal
		Inflammation, Focal
		Inflammation, Focal
		Inflammation, Focal
Preputial gland		Abscess, Nos
		Abscess, Nos
		Abscess, Nos
		Abscess, Nos
		Abscess, Nos
		Abscess, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_008

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

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

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

**OBSERVATIONS**

Prostate

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

Testis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_008

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

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

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

---

**OBSERVATIONS**

Urinary bladder

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_009

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

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

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

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma

Heart

Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos

Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_009

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

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

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

**OBSERVATIONS**

Bile Duct	Hyperplasia, Focal
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Lung	Atelectasis
	Atelectasis
	Atelectasis
	Atelectasis
	Atelectasis
	Atelectasis
	Atelectasis
	Atelectasis
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
Pituitary gland	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_009

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

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

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

**OBSERVATIONS**

Prostate

Chromophobe Adenoma  
Chromophobe Adenoma  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Spleen

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

Testis

Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule

Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Thyroid

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_010

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

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
	Cortex Nos	Hypertrophy, Focal
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_010

TRT#: 1

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Focal

Inflammation, Focal

Inflammation, Focal

Inflammation, Focal

Inflammation, Focal

Inflammation, Focal

Inflammation, Focal

Inflammation, Focal

Pituitary gland

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_010

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

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

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

**OBSERVATIONS**

Prostate

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Hyperplasia, Papillary  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

Spleen

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_010

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

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

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

**OBSERVATIONS**

Testis

Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_010

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

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

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

---

**OBSERVATIONS**

Trachea

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

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898  
Test Type: Long-Term  
Route: Dosed-Feed  
Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: 3-Amino-9-ethylcarbazole  
CAS Number: 132-32-1

Date Report Requested: 10/26/2014  
Time Report Requested: 12:57:26  
First Dose M/F: NA / NA  
Lab: NA

ANIMAL ID: 1\_011

TRT#: 1  
DOSE: 0

SEX: Male  
DISP: Scheduled Sacrifice

DAY ON TEST:  
HISTO:

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
Lung		Congestion, Nos
		Congestion, Nos
		Congestion, Nos
		Congestion, Nos
		Congestion, Nos
		Congestion, Nos
		Congestion, Nos
		Congestion, Nos
		Edema, Nos
		Edema, Nos
		Edema, Nos
		Edema, Nos
		Edema, Nos
		Edema, Nos
		Edema, Nos
		Edema, Nos
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_011

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

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

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

**OBSERVATIONS**

Bronchus

Inflammation, Chronic  
Perivasculitis  
Perivasculitis  
Perivasculitis  
Perivasculitis  
Perivasculitis  
Perivasculitis  
Perivasculitis  
Perivasculitis

Trachea

Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
Liver	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal
	Hyperplasia, Focal	Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_012

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

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

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

**OBSERVATIONS**

	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, Reticulum Cell
		Hyperplasia, Reticulum Cell
		Hyperplasia, Reticulum Cell
		Hyperplasia, Reticulum Cell
		Hyperplasia, Reticulum Cell
		Hyperplasia, Reticulum Cell
		Hyperplasia, Reticulum Cell
Pancreas		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Erythroid
		Hyperplasia, Erythroid
		Hyperplasia, Erythroid
		Hyperplasia, Erythroid

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_012

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

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

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

**OBSERVATIONS**

Testis

Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_013

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

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

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nodular
	Medulla	Hyperplasia, Nodular
	Medulla	Hyperplasia, Nodular
	Medulla	Hyperplasia, Nodular
	Medulla	Hyperplasia, Nodular
	Medulla	Hyperplasia, Nodular
	Medulla	Hyperplasia, Nodular
Kidney		Hyperplasia, Nodular
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_013

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

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

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

**OBSERVATIONS**

Bile Duct

Prostate

Hyperplasia, Nos  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal

Spleen

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell

Stomach

Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_013

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

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

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

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**OBSERVATIONS**

Testis

Ulcer, Nos  
Ulcer, Nos  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
	Cortex Nos	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_014

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

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

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

**OBSERVATIONS**

Liver	Bile Duct	Glomerulonephritis, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
Pituitary gland		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
Testis		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_014

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

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

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

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**OBSERVATIONS**

Trachea

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

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_015

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

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

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

**ANIMAL ID:** 1\_015

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

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

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

**OBSERVATIONS**

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Focal  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Pancreas

Prostate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_015

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

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

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

**OBSERVATIONS**

Stomach

Inflammation, Nos  
Inflammation, Nos  
Paranglioma, Nos  
Paranglioma, Nos  
Paranglioma, Nos  
Paranglioma, Nos  
Paranglioma, Nos  
Paranglioma, Nos  
Paranglioma, Nos  
Paranglioma, Nos

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_016

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

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

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

**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine  
Pneumonia, Chronic Murine

Trachea

Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_017

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

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

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

**OBSERVATIONS**

Brain		Astrocytoma
		Astrocytoma
		Astrocytoma
		Astrocytoma
		Astrocytoma
		Astrocytoma
		Astrocytoma
		Astrocytoma
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Interstitial
		Inflammation, Interstitial
		Inflammation, Interstitial
		Inflammation, Interstitial
		Inflammation, Interstitial
		Inflammation, Interstitial
		Inflammation, Interstitial
		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_017

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

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

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

**OBSERVATIONS**

Bile Duct

Lung

Hyperplasia, Nos  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell

Trachea

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Inflammation, Nos

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_018

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

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

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_018

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

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

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

**OBSERVATIONS**

Lung

Bile Duct  
Mucous Gland  
Mucous Gland  
Mucous Gland  
Mucous Gland  
Mucous Gland  
Mucous Gland  
Mucous Gland

Hyperplasia, Nos  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous

Stomach

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos  
Ulcer, Nos

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Interstitial-Cell Tumor

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_019

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

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

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

**OBSERVATIONS**

Intestine Small

Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_019

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

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

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

**OBSERVATIONS**

Bile Duct	Hyperplasia, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Lung	Bronchiole
	Inflammation, Focal
	Bronchiole
	Inflammation, Focal
	Bronchiole
	Inflammation, Focal
	Bronchiole
	Inflammation, Focal
	Bronchiole
	Inflammation, Focal
Mammary gland	Bronchiole
	Inflammation, Focal
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
Pancreas	Hyperplasia, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_019

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

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

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

**OBSERVATIONS**

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_020

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Bile Duct	Hyperplasia, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
	Necrosis, Focal
Lung	Bronchiole
	Bronchiole
	Bronchiole
	Bronchiole
	Bronchiole
	Bronchiole
	Bronchiole
	Bronchiole
Mammary gland	Bronchiole
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos
	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_020

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

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

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

**OBSERVATIONS**

Pancreas

Islets  
Islets  
Islets  
Islets  
Islets  
Islets  
Islets  
Islets

Hyperplasia, Nos  
Hyperplasia, Nos  
Islet-Cell Adenoma  
Islet-Cell Adenoma  
Islet-Cell Adenoma  
Islet-Cell Adenoma  
Islet-Cell Adenoma  
Islet-Cell Adenoma  
Islet-Cell Adenoma  
Islet-Cell Adenoma

Pituitary gland

Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_020

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

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

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

**OBSERVATIONS**

Spleen

Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_021

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
Liver	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bronchus

Inflammation, Chronic

Trachea

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
Kidney	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_022

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

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

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

**OBSERVATIONS**

Liver

Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Necrosis, Coagulative  
Necrosis, Coagulative  
Necrosis, Coagulative  
Necrosis, Coagulative  
Necrosis, Coagulative  
Necrosis, Coagulative  
Necrosis, Coagulative  
Necrosis, Coagulative

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_022

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

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

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

**OBSERVATIONS**

Stomach

Inflammation, Nos  
Inflammation, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

Thyroid

Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous  
Hyperplasia, Adenomatous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_023

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_023

TRT#: 1

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Bile Duct

Bile Duct

Bile Duct

Bile Duct

Bile Duct

Bile Duct

Bile Duct

Bile Duct

Bile Duct

Prostate

Hyperplasia, Focal

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Nos

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Metaplasia, Squamous

Metaplasia, Squamous

Metaplasia, Squamous

Metaplasia, Squamous

Metaplasia, Squamous

Metaplasia, Squamous

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_023

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

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

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

**OBSERVATIONS**

Spleen

Metaplasia, Squamous  
Metaplasia, Squamous  
Reticulocytosis  
Reticulocytosis  
Reticulocytosis  
Reticulocytosis  
Reticulocytosis  
Reticulocytosis  
Reticulocytosis

Stomach

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Interstitial-Cell Tumor

Interstitial-Cell Tumor

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_024

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_024

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

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

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

**OBSERVATIONS**

Bile Duct

Prostate

Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma  
C-Cell Adenoma  
C-Cell Adenoma  
C-Cell Adenoma  
C-Cell Adenoma  
C-Cell Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

C-Cell Adenoma

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Testis

Bile Duct

Hyperplasia, Nos  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Leukemia, Monocytic  
Leukemia, Monocytic  
Leukemia, Monocytic  
Leukemia, Monocytic  
Leukemia, Monocytic  
Leukemia, Monocytic  
Leukemia, Monocytic  
Leukemia, Monocytic  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial  
Hyperplasia, Epithelial

Unspecified

Multiple Organs Nos  
Multiple Organs Nos  
Multiple Organs Nos  
Multiple Organs Nos  
Multiple Organs Nos  
Multiple Organs Nos  
Multiple Organs Nos  
Multiple Organs Nos

Urinary bladder

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:26

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Hyperplasia, Epithelial

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_026

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

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

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

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
Testis		Aspermatogenesis
		Aspermatogenesis
		Aspermatogenesis
		Aspermatogenesis
		Aspermatogenesis
		Aspermatogenesis
		Aspermatogenesis
		Aspermatogenesis
		Atrophy, Nos
		Atrophy, Nos
		Atrophy, Nos
		Atrophy, Nos
		Atrophy, Nos
		Atrophy, Nos
		Atrophy, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_026

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

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

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

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**OBSERVATIONS**

Trachea

Atrophy, Nos  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_027

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal
		Necrosis, Focal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_027

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

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

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

**OBSERVATIONS**

Prostate

Necrosis, Focal  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Spleen

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

Testis

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_027

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

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

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

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**OBSERVATIONS**

Trachea

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

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_028

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

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

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

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Metamorphosis, Fatty  
Metamorphosis, Fatty  
Metamorphosis, Fatty  
Metamorphosis, Fatty  
Metamorphosis, Fatty  
Metamorphosis, Fatty  
Metamorphosis, Fatty

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_028

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

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

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

**OBSERVATIONS**

Lymph node

Metamorphosis, Fatty  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell

Pancreas

Islets  
Islets  
Islets  
Islets  
Islets  
Islets  
Islets

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Pituitary gland

Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell  
Hyperplasia, Chromophobe Cell

Spleen

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_028

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

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

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

**OBSERVATIONS**

Testis

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla  
Medulla

Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Calcification, Nos  
Necrosis, Nos  
Necrosis, Nos  
Necrosis, Nos  
Necrosis, Nos  
Necrosis, Nos  
Necrosis, Nos  
Necrosis, Nos  
Necrosis, Nos  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma

Heart

Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos

Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Myocardium Nos

Fibrosis

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Periportal  
Periportal  
Periportal  
Periportal  
Periportal  
Periportal  
Periportal  
Periportal

Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_029

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

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

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

**OBSERVATIONS**

Bile Duct	Hyperplasia, Nos
Bile Duct	Hyperplasia, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Lung	Inflammation, Suppurative
	Inflammation, Suppurative
	Inflammation, Suppurative
	Inflammation, Suppurative
	Inflammation, Suppurative
	Inflammation, Suppurative
	Inflammation, Suppurative
Pituitary gland	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
	Chromophobe Adenoma
Prostate	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos
	Inflammation, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_029

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

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

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

**OBSERVATIONS**

Spleen

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Fibrosis

Fibrosis

Fibrosis

Fibrosis

Fibrosis

Fibrosis

Fibrosis

Fibrosis

Infarct, Healed

Infarct, Healed

Infarct, Healed

Infarct, Healed

Infarct, Healed

Infarct, Healed

Infarct, Healed

Infarct, Healed

Thrombosis, Nos

Thrombosis, Nos

Thrombosis, Nos

Thrombosis, Nos

Thrombosis, Nos

Thrombosis, Nos

Thrombosis, Nos

Thrombosis, Nos

Testis

Hyperplasia, Interstitial Cell

Hyperplasia, Interstitial Cell

Hyperplasia, Interstitial Cell

Hyperplasia, Interstitial Cell

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:26  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_029

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

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

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

---

**OBSERVATIONS**

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_030

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

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

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

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma

Heart

Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos

Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_030

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

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

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

**OBSERVATIONS**

Lymph node	Bile Duct	Hyperplasia, Nos
	Mediastinal Lymph Node	Plasmacytosis
	Mediastinal Lymph Node	Plasmacytosis
	Mediastinal Lymph Node	Plasmacytosis
	Mediastinal Lymph Node	Plasmacytosis
	Mediastinal Lymph Node	Plasmacytosis
	Mediastinal Lymph Node	Plasmacytosis
	Mediastinal Lymph Node	Plasmacytosis
Mammary gland	Mediastinal Lymph Node	Plasmacytosis
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
Pancreas		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
		Inflammation, Nos
Pituitary gland		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos
		Adenoma, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_030

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

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

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

**OBSERVATIONS**

Prostate

Adenoma, Nos  
Adenoma, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Spleen

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

Stomach

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 1\_030

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Interstitial-Cell Tumor

Interstitial-Cell Tumor

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_031

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

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

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

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
	Pulmonary Artery Nos	Hypertrophy, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Inflammation, Chronic Focal
Lung	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Trachea

Perivasculitis  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic  
Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_033

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

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

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

**OBSERVATIONS**

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

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_033

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

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

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

**OBSERVATIONS**

Lymph node	Bile Duct	Hyperplasia, Nos Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell
Pancreas	Islets Islets Islets Islets Islets Islets Islets	Hyperplasia, Nos Hyperplasia, Nos Hyperplasia, Nos Hyperplasia, Nos Hyperplasia, Nos Hyperplasia, Nos Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid Hyperplasia, Erythroid Hyperplasia, Erythroid Hyperplasia, Erythroid Hyperplasia, Erythroid

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_033

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

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

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

**OBSERVATIONS**

Testis

Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule  
Tubule

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Degeneration, Nos  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_034

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_034

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

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

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

**OBSERVATIONS**

Lung	Bile Duct	Hyperplasia, Nos Inflammation, Focal Inflammation, Focal Inflammation, Focal Inflammation, Focal Inflammation, Focal Inflammation, Focal Inflammation, Focal Inflammation, Focal
Lymph node	Lymphatic Vessels Lymphatic Vessels Lymphatic Vessels Lymphatic Vessels Lymphatic Vessels Lymphatic Vessels Lymphatic Vessels	Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos
Pituitary gland		Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma
Stomach		Acanthosis Acanthosis Acanthosis Acanthosis Acanthosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_034

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

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

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

**OBSERVATIONS**

Testis

Acanthosis  
Acanthosis  
Hyperkeratosis  
Hyperkeratosis  
Hyperkeratosis  
Hyperkeratosis  
Hyperkeratosis  
Hyperkeratosis  
Hyperkeratosis  
Hyperkeratosis  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

Trachea

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_035

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

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

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

**OBSERVATIONS**

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

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_035

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

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

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

**OBSERVATIONS**

Pancreas	Bile Duct	Hyperplasia, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos Inflammation, Nos
Pituitary gland		Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma Chromophobe Adenoma
Prostate		Hyperplasia, Focal Hyperplasia, Focal Hyperplasia, Focal Hyperplasia, Focal Hyperplasia, Focal Hyperplasia, Focal Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell Hyperplasia, Interstitial Cell Hyperplasia, Interstitial Cell Hyperplasia, Interstitial Cell Hyperplasia, Interstitial Cell

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_035

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

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

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

**OBSERVATIONS**

Urinary bladder

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

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_037

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

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

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

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma

Heart

Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos

Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_037

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

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

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

**OBSERVATIONS**

	Bile Duct	Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
		Chromophobe Adenoma
		Chromophobe Adenoma
		Chromophobe Adenoma
		Chromophobe Adenoma
		Chromophobe Adenoma
		Chromophobe Adenoma
		Chromophobe Adenoma
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos
		Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_037

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

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

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

**OBSERVATIONS**

Prostate

Hyperplasia, Nos  
Hyperplasia, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell  
Hyperplasia, C Cell  
Hyperplasia, C Cell  
Hyperplasia, C Cell  
Hyperplasia, C Cell  
Hyperplasia, C Cell  
Hyperplasia, C Cell  
Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_038

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

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

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

**OBSERVATIONS**

Adrenal gland

Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic

Heart

Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos

Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial  
Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

\* PROTOCOL REQUIRED TISSUE





Experiment Number: C01898  
Test Type: Long-Term  
Route: Dosed-Feed  
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: 3-Amino-9-ethylcarbazole  
CAS Number: 132-32-1

Date Report Requested: 10/26/2014  
Time Report Requested: 12:57:27  
First Dose M/F: NA / NA  
Lab: NA

ANIMAL ID: 1\_038

TRT#: 1  
DOSE: 0

SEX: Male  
DISP: Scheduled Sacrifice

DAY ON TEST:  
HISTO:

OBSERVATIONS

Thyroid

Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Adenocarcinoma, Nos

Trachea

Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic  
Adenocarcinoma, Nos, Metastatic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_039

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

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

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

**OBSERVATIONS**

Intestine Small

Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

Liver

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

Pituitary gland

Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_039

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

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

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

**OBSERVATIONS**

Spleen

Chromophobe Adenoma  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_040

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

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

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

**OBSERVATIONS**

Adrenal gland

Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma  
Pheochromocytoma

Heart

Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos  
Myocardium Nos

Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis  
Fibrosis

Intestine Small

Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch  
Peyers Patch

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Kidney

Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos  
Glomerulonephritis, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_040

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

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

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

**OBSERVATIONS**

Liver

Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Lymph node

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Mammary gland

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_040

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

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

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

**OBSERVATIONS**

Pituitary gland

Hyperplasia, Nos  
Hyperplasia, Nos  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma

Prostate

Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Spleen

Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_040

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

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

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

**OBSERVATIONS**

Testis

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

Trachea

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_043

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

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

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

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
	Bronchus	Inflammation, Chronic
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
		Perivasculitis
Trachea		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic
		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_044

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Testis		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated
	Multiple Organs Nos	Leukemia, Undifferentiated

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_045

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

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

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
	Myocardium Nos	Fibrosis
Intestine Large	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
	Colon	Nematodiasis
Kidney	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos
	Glomerulonephritis, Nos	Glomerulonephritis, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_045

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

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

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

**OBSERVATIONS**

Liver

Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal  
Hyperplasia, Focal

Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Pancreas

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos

Prostate

Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal  
Inflammation, Focal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_045

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

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

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

**OBSERVATIONS**

Spleen

Inflammation, Focal  
Inflammation, Focal  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell

Stomach

Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos  
Hyperplasia, Nos

Testis

Atrophy, Nos  
Atrophy, Nos  
Atrophy, Nos  
Atrophy, Nos  
Atrophy, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_045

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

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

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

**OBSERVATIONS**

Thyroid

Atrophy, Nos  
Atrophy, Nos  
Atrophy, Nos  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Adenoma, Nos  
Adenoma, Nos  
Adenoma, Nos  
Adenoma, Nos  
Adenoma, Nos  
Adenoma, Nos  
Adenoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_046

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

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

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

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Colon

Nematodiasis

Colon

Nematodiasis

Colon

Nematodiasis

Colon

Nematodiasis

Colon

Nematodiasis

Colon

Nematodiasis

Colon

Nematodiasis

Lung

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Bronchus

Inflammation, Chronic

Trachea

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_047

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_047

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

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

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

**OBSERVATIONS**

Bile Duct

Pituitary gland

Hyperplasia, Nos  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma  
Chromophobe Adenoma

Prostate

Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Inflammation, Nos  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous  
Metaplasia, Squamous

Spleen

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Erythroid

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_047

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

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

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

**OBSERVATIONS**

Testis

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

Trachea

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:27

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

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

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_049

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

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

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

**OBSERVATIONS**

Bile Duct	Hyperplasia, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Bile Duct	Inflammation, Nos
Pituitary gland	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
	Hyperplasia, Chromophobe Cell
Prostate	Hyperplasia, Focal
	Hyperplasia, Focal
	Hyperplasia, Focal
	Hyperplasia, Focal
	Hyperplasia, Focal
	Hyperplasia, Focal
Spleen	Hyperplasia, Erythroid
	Hyperplasia, Erythroid
	Hyperplasia, Erythroid
	Hyperplasia, Erythroid
	Hyperplasia, Erythroid

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_049

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

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

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

**OBSERVATIONS**

Testis

Hyperplasia, Erythroid  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Reticulum Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor  
Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C01898

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 3-Amino-9-ethylcarbazole

CAS Number: 132-32-1

Date Report Requested: 10/26/2014

Time Report Requested: 12:57:27

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Epithelial
		Inflammation, Interstitial
Pancreas		Degeneration, Cystic
	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
	Islets	Islet-Cell Adenoma
Prostate		Hyperplasia, Nos
Skin		Inflammation, Nos
		Squamous Cell Carcinoma
Spleen		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung

Pneumonia, Chronic Murine

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_003

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

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

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

**OBSERVATIONS**

Ear	Canal	Necrosis, Nos
Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung	Bronchiole	Inflammation, Nos
Pancreas		Hyperplasia, Intraductal
	Islets	Hyperplasia, Nos
Stomach		Hyperplasia, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Zymbal gland		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Pheochromocytoma

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Lung

Bile Duct

Hyperplasia, Nos

Bronchus

Bronchiectasis

Bronchus

Inflammation, Nos

Prostate

Inflammation, Nos

Testis

Atrophy, 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:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

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

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Heart

Myocardium Nos

Fibrosis

Intestine Small

Myocardium Nos

Inflammation, Interstitial

Kidney

Ileum

Mucinous Cystadenocarcinoma

Liver

Glomerulonephritis, Nos

Pancreas

Hyperplasia, Focal

Testis

Metamorphosis, Fatty

Inflammation, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Trachea

Mineralization

Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Fibrosis

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Pancreas

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:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Jejunum	Leiomyosarcoma
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
		Hyperplasia, Focal
Lung		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Necrosis, Focal
Lymph node		Hyperplasia, Nos
Preputial gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Skin		Squamous Cell Carcinoma
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Interstitial
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Skin		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Carcinoma
Trachea		Inflammation, Nos
Unspecified		Fibrosis
Urinary bladder		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 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
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Nos
Urinary bladder		Inflammation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lymph node		Inflammation, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Stomach		Hyperplasia, Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
		Mineralization

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung

Bronchopneumonia, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Salivary gland		Perivasculitis
Skin		Basal-Cell Carcinoma
		Squamous Cell Papilloma
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Adenoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Ileum	Adenocarcinoma, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Lymph node		Necrosis, Central
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Myelomonocytic
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Papilloma, Nos
Mammary gland		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Focal
Stomach		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Nos
Urinary bladder		Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Ileum

Leiomyosarcoma

Kidney

Glomerulonephritis, Nos

Liver

Hematopoiesis

Hepatocellular Carcinoma

Lung

Inflammation, Interstitial

Pituitary gland

Adenoma, Nos

Spleen

Hyperplasia, Erythroid

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart

Cortex Nos  
Myocardium Nos  
Myocardium Nos

Hyperplasia, Focal  
Fibrosis  
Inflammation, Interstitial  
Adenocarcinoma In Adenomatous Polyp

Intestine Large  
Kidney  
Liver  
Mammary gland

Colon

Glomerulonephritis, Nos

Prostate  
Testis  
Urinary bladder

Bile Duct

Hyperplasia, Nos

Galactocele

Hyperplasia, Nos

Inflammation, Nos

Interstitial-Cell Tumor

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Ileum	Adenomatous Polyp, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Hyperplasia, Nos
		Inflammation, Interstitial
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Inflammation, Focal
Prostate		Inflammation, Nos
Spleen		Fibrosis, Focal
		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Periportal	Fibrosis
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Erythroid
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Ear	Canal	Keratin-Pearl Formation
Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Nos
Stomach		Inflammation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Adenocarcinoma, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		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:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Ileum	Inflammation, Focal
Kidney		Glomerulonephritis, Nos
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
	Islets	Inflammation, Nos
Parathyroid gland		Islet-Cell Adenoma
Stomach		Hyperplasia, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Skin		Neoplasm, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Pituitary gland

Stomach

Testis

Myocardium Nos

Bronchiole

Pheochromocytoma

Inflammation, Nos

Glomerulonephritis, Nos

Hyperplasia, Focal

Inflammation, Nos

Hyperplasia, Nos

Inflammation, Nos

Chromophobe Adenoma

Inflammation, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_030

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

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

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

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Neoplastic Nodule
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Salivary gland		Hyperplasia, Focal
Skin		Basal-Cell Carcinoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
	Tubule	Mineralization

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_031

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

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

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

**OBSERVATIONS**

Adrenal gland		Ganglioneuroma Pheochromocytoma
Blood vessel	Aorta Nos Aorta Nos	Inflammation, Nos Mineralization
Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Neoplastic Nodule
Lung		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Prostate	Islets	Islet-Cell Adenoma
Testis		Inflammation, Nos
Urinary bladder		Interstitial-Cell Tumor Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nodular

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Metamorphosis, Fatty

Neoplastic Nodule

Spleen

Hyperplasia, Erythroid

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Mineralization

Thyroid

Follicular-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3-Amino-9-ethylcarbazole  
**CAS Number:** 132-32-1

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 12:57:27  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_035

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

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

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

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Jejunum	Cystadenocarcinoma, Nos
	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Lymph node		Hyperplasia, Nos
Pancreas	Duct Nos	Inflammation, Nos
		Inflammation, Nos
	Islets	Islet-Cell Adenoma
Preputial gland		Sebaceous Adenoma
Prostate		Inflammation, Focal
Skin		Ulcer, Nos
Testis		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Ear	Wax Gland	Keratin-Pearl Formation
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Hyperplasia, Focal
Lung		Inflammation, Interstitial
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified		Fibrosarcoma
Zymbal gland		Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Skin		Squamous Cell Papilloma
Stomach		Inflammation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Fibrosis

Kidney

Myocardium Nos

Inflammation, Interstitial

Liver

Glomerulonephritis, Nos

Lung

Neoplastic Nodule

Pituitary gland

Alveolar/Bronchiolar Carcinoma

Preputial gland

Inflammation, Interstitial

Prostate

Chromophobe Adenoma

Stomach

Adenoma, Nos

Testis

Inflammation, Nos

Acanthosis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
		Inflammation, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Nos
Skin		Basal-Cell Carcinoma
		Squamous Cell Papilloma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Large	Colon	Parasitism
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Stomach		Hyperplasia, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Heart

Myocardium Nos

Inflammation, Nos

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Lung

Bronchiole

Inflammation, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Body Cavities

Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Lung	Bronchiole	Inflammation, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Stomach		Inflammation, Nos
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Hyperplasia, Epithelial
Zymbal gland		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Inflammation, Nos
Mammary gland		Hyperplasia, Nos
Prostate		Inflammation, Nos
Skin		Basal-Cell Carcinoma
		Ulcer, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Adenomatous
Unspecified	Body Cavities	Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Abscess, Nos
		Fibrosis
		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
Skin		Sebaceous Adenoma
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
		Mineralization

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Lung		Inflammation, Interstitial
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Neoplastic Nodule

Lung

Alveolar/Bronchiolar Adenoma

Prostate

Inflammation, Interstitial

Spleen

Inflammation, Nos

Testis

Hyperplasia, Erythroid

Urinary bladder

Hyperplasia, Hematopoietic

Interstitial-Cell Tumor

Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 00 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Myocardium Nos

Myocardium Nos

Pheochromocytoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Necrosis, Coagulative

Inflammation, Necrotizing

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 00 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Ear	Canal	Keratin-Pearl Formation
	Canal	Necrosis, Nos
Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Prostate		Inflammation, Nos
		Metaplasia, Squamous
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

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**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 00 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart	Myocardium Nos Myocardium Nos	Fibrosis Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Necrosis, Focal
Lung		Inflammation, Interstitial
Spleen		Hyperplasia, Erythroid Hyperplasia, Hematopoietic
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Zymbal gland		Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C01898

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**CAS Number:** 132-32-1

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

**Time Report Requested:** 12:57:27

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

**Lab:** NA

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 00 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Prostate		Inflammation, Nos
Skin		Squamous Cell Papilloma
Testis	Tubule	Degeneration, Nos
		Hyperplasia, Interstitial Cell
Trachea		Interstitial-Cell Tumor
Unspecified	Tail	Inflammation, Nos
Urinary bladder		Basal-Cell Carcinoma
		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE