

**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:** 13:53:46

**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:** Female

**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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Inflammation, Chronic

Lung

Bronchus

Inflammation, Chronic

Trachea

Perivasculitis

Inflammation, Chronic

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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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Ovary		Cyst, 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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Focal
Thyroid		Adenoma, Nos
Trachea		Inflammation, Nos
Uterus	Endometrium	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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Focal
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, 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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, 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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivasculitis
Trachea		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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

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

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**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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Medulla

Hyperplasia, Nos

Liver

Glomerulonephritis, Nos

Pituitary gland

Bile Duct

Hyperplasia, Focal

Uterus

Endometrium

Hyperplasia, Nos

Chromophobe Adenoma

Inflammation, Focal

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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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Hyperplasia, Reticulum Cell
Uterus		Adenocarcinoma, Nos
	Endometrium	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:** 13:53:46

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

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Membranous
Liver		Fibrosis
		Hepatocellular Carcinoma
Lymph node		Hyperplasia, Plasma Cell
		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Trachea		Inflammation, Nos
Uterus		Abscess, Nos
	Endometrium	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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivasculitis
Trachea		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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Nodule

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Mammary gland

Hyperplasia, Nos

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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver		Adenocarcinoma, Nos, Metastatic
Lung		Adenocarcinoma, Nos, Metastatic
Lymph node	Renal Lymph Node	Adenocarcinoma, Nos, Metastatic
Uterus		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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Uterus	Endometrium	Inflammation, Suppurative

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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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Mammary gland		Fibroadenoma
Uterus	Endometrium	Hyperplasia, Adenomatous
	Endometrium	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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivasculitis
Trachea		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:** 13:53:46

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

**Lab:** NA

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Stomach		Inflammation, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Pituitary gland

Unspecified

Multiple Organs Nos

Chromophobe Adenoma

Lymphoma, Lymphocytic-Malignant Type

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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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Necrosis, Focal
Mammary gland		Hyperplasia, Nos
Stomach		Inflammation, Nos
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Nos
Uterus	Endometrium	Inflammation, Suppurative

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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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Trachea		Polyp, Inflammatory
Uterus		Hydrometra

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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:** 13:53:46

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic Perivascularitis
Trachea		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:** 13:53:46

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

**Lab:** NA

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Perivasculitis
Lymph node		Hyperplasia, Nos
		Inflammation, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Trachea		Inflammation, Nos
Uterus		Hyperplasia, Adenomatous

**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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Angiectasis
		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lymph node		Plasmacytosis
Mammary gland		Galactocele
		Hyperplasia, Nos
		Hyperplasia, Papillary
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Thyroid		Adenocarcinoma, 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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Nephrosis, Hydro
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
Unspecified	Body Cavities	Mesothelioma, 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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Inflammation, Interstitial
	Bronchus	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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic
Trachea		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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Inflammation, Interstitial
Liver	Bile Duct	Hyperplasia, Nos Necrosis, Focal
Lung		Inflammation, Nos
Uterus	Endometrium	Endometrial Stromal Polyp 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
Uterus		Endometrial Stromal Polyp
		Inflammation, Suppurative

---

**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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lymph node		Plasmacytosis
Pancreas	Duct Nos	Hyperplasia, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Urinary bladder		Inflammation, Nos
Uterus		Hyperplasia, Adenomatous
	Endometrium	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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Blood vessel	Portal Vein	Thrombus, Mural
Ear	Canal	Fibroma
Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
		Necrosis, Coagulative
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Ovary		Cyst, Nos
Pituitary gland		Chromophobe Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Lung

Bronchus

Inflammation, Chronic

Ovary

Inflammation, Granulomatous Focal

Trachea

Inflammation, Chronic

Uterus

Hydrometra

---

**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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Focal
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Uterus		Abscess, 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Lung		Inflammation, Focal
Mammary gland		Galactocele
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Nos
Thyroid		Hyperplasia, Follicular Cell
Uterus		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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Necrosis, Focal
Mammary gland		Fibroadenoma
		Galactocele
Pituitary gland		Hyperplasia, Nos
Spleen		Chromophobe Adenoma
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Trachea		Inflammation, Nos
Uterus	Endometrium	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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney  
Liver  
  
Mammary gland  
Ovary  
Pancreas  
Pituitary gland  
Spleen

Cortex Nos  
Myocardium Nos  
Peyers Patch  
  
Bile Duct

Hyperplasia, Nos  
Inflammation, Interstitial  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Nodular  
Hyperplasia, Nos  
Cyst, Nos  
Inflammation, Nos  
Chromophobe Adenoma  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum 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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Trachea

Inflammation, Chronic

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Lung

Alveolar/Bronchiolar Adenoma

Mammary gland

Hyperplasia, Nos

Pancreas

Papillary Cystadenocarcinoma Nos

Pituitary gland

Inflammation, Nos

Spleen

Adenocarcinoma, Nos

Trachea

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Inflammation, Nos

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**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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Erythroid
Stomach		Hyperplasia, Epithelial
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Adenomatous
		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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_040

**TRT#:** 1

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver	Metamorphosis, Fatty
Mammary gland	Galactocele
	Hyperplasia, Nos
Uterus	Endometrial Stromal Polyp

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung	Bronchus	Inflammation, Chronic
Trachea		Inflammation, Chronic
Uterus		Hydrometra

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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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Liver  
  
Lymph node  
Mammary gland  
Ovary  
Pituitary gland  
Spleen  
  
Uterus

Medulla  
Peyers Patch  
  
Bile Duct

Hyperplasia, Nos  
Hyperplasia, Nos  
Glomerulonephritis, Nos  
Hyperplasia, Focal  
Hyperplasia, Nos  
Plasmacytosis  
Hyperplasia, Nos  
Cyst, Nos  
Chromophobe Adenoma  
Hyperplasia, Erythroid  
Hyperplasia, Reticulum Cell  
Endometrial Stromal Polyp

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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Lymph node

Mammary gland

Pancreas

Pituitary gland

Unspecified

Uterus

Myocardium Nos

Multiple Organs Nos

Endometrium

Pheochromocytoma

Inflammation, Interstitial

Glomerulonephritis, Nos

Inflammation, Nos

Galactocele

Hyperplasia, Nos

Inflammation, Nos

Chromophobe Adenoma

Leukemia, Monocytic

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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_044

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

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
	Medulla	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Nos
Lung		Inflammation, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Plasma Cell
Uterus		Endometrial Stromal Polyp
		Hyperplasia, Adenomatous
	Endometrium	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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Ovary		Hyperplasia, Interstitial Cell
Pituitary gland		Adenocarcinoma, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Inflammation, Focal
Uterus	Fallopian Tube	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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Lung

Bronchus

Inflammation, Chronic

Trachea

Perivasculitis

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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Lung

Inflammation, Interstitial

Mammary gland

Hyperplasia, Nos

Pituitary gland

Chromophobe Adenoma

Spleen

Hyperplasia, Erythroid

Stomach

Hyperplasia, Reticulum Cell

Uterus

Inflammation, Focal

Endometrium

Endometrial Stromal Polyp

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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchiole	Inflammation, Nos
Mammary gland		Adenoma, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Stomach	Mucosa	Hyperplasia, Nos
Thyroid		Adenocarcinoma, Nos
Uterus		Endometrial Stromal Polyp

**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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Focal
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Reticulum Cell
Trachea		Inflammation, Nos
Uterus		Endometrial Stromal Polyp
		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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Pheochromocytoma

Kidney

Glomerulonephritis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Chromophobe Adenoma

Unspecified

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

Uterus

Endometrium

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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Thyroid		C-Cell Adenoma
Unspecified		Fibroma
Uterus		Hyperplasia, Adenomatous
	Endometrium	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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Bile Duct

Glomerulonephritis, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Metamorphosis, Fatty

Necrosis, Focal

Lung

Pituitary gland

Spleen

Inflammation, Interstitial

Adenoma, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Inflammation, Nos

Unspecified

Uterus

Zymbal gland

Squamous Cell Carcinoma

Endometrial Stromal Polyp

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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
Lymph node		Inflammation, Nos
	Mediastinal Lymph Node	Plasmacytosis
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Trachea		Inflammation, Acute/Chronic
Uterus		Adenocarcinoma, Nos
	Endometrium	Hyperplasia, Cystic
	Endometrium	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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Kidney  
Liver  
  
Pituitary gland  
Spleen  
  
Thyroid  
Uterus

Colon

Endometrium

Pheochromocytoma  
Parasitism  
Glomerulonephritis, Nos  
Hematopoiesis  
Hyperplasia, Focal  
Chromophobe Adenoma  
Hyperplasia, Erythroid  
Hyperplasia, Hematopoietic  
C-Cell Adenoma  
Adenocarcinoma, Nos  
Endometrial Stromal Polyp  
Inflammation, Suppurative

**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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Lung

Bronchus

Bronchiectasis

Edema, Nos

Hyperplasia, Nos

Inflammation, Interstitial

Lymph node

Inflammation, Nos

Mammary gland

Galactocele

Hyperplasia, Nos

Papillary Cystadenoma, Nos

Pancreas

Inflammation, Nos

Pituitary gland

Chromophobe Adenoma

Spleen

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Stomach

Hyperplasia, Focal

Uterus

Hyperplasia, Adenomatous

Endometrium

Inflammation, Suppurative

**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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Interstitial

Kidney

Glomerulonephritis, Nos

Liver

Hyperplasia, Focal

Metamorphosis, Fatty

Lung

Inflammation, Interstitial

Pituitary gland

Chromophobe Adenoma

Spleen

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Thyroid

Follicle

Papillary Cystadenoma, Nos

Trachea

Inflammation, Nos

Uterus

Adenocarcinoma, Nos

Inflammation, Suppurative

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**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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Uterus		Adenocarcinoma, Nos
		Endometrial Stromal Polyp
	Endometrium	Inflammation, Suppurative

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Inflammation, Interstitial
Lung		Inflammation, Interstitial
Stomach		Inflammation, Nos
Unspecified		Fibrosarcoma

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Lymph node		Hyperplasia, Plasma Cell
Mammary gland		Hyperplasia, Nos
		Papillary Cystadenocarcinoma Nos
Pancreas		Hyperplasia, Intraductal
Pituitary gland		Chromophobe Adenoma

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland		Squamous Cell Papilloma
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
		Necrosis, Focal
Lung	Alveoli	Fibrosis, Focal
		Inflammation, Interstitial
Mammary gland		Fibroadenoma
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Focal

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Heart

Kidney

Liver

Lung

Lymph node

Mammary gland

Spleen

Uterus

Myocardium Nos

Myocardium Nos

Endometrium

Squamous Cell Carcinoma

Fibrosis

Inflammation, Interstitial

Glomerulonephritis, Nos

Hyperplasia, Focal

Alveolar/Bronchiolar Adenoma

Hyperplasia, Lymphoid

Hyperplasia, Nos

Hyperplasia, Erythroid

Hyperplasia, Hematopoietic

Adenocarcinoma, Nos

Inflammation, Suppurative

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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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Liver		Hyperplasia, Focal
Lung		Carcinoma, Nos, Metastatic
		Inflammation, Interstitial
Lymph node	Mediastinal Lymph Node	Plasmacytosis
Mammary gland		Carcinoma, Nos
Ovary		Carcinoma, Nos, Metastatic
		Cyst, Nos
Pancreas	Acinus	Atrophy, Nos
		Carcinoma, Nos, Metastatic
		Inflammation, Nos
Skin		Squamous Cell Carcinoma
		Ulcer, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Carcinoma, Nos, Metastatic
Uterus		Abscess, Nos
		Endometrial Stromal Polyp
Vagina		Necrosis, Hemorrhagic

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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Angiectasis
		Degeneration, Nos
		Hyperplasia, Focal
Lymph node		Inflammation, Nos
Mammary gland		Adenocarcinoma, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Trachea		Inflammation, Nos
Uterus		Adenocarcinoma, Nos
	Endometrium	Endometrial Stromal Polyp
		Inflammation, Nos
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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Large	Colon	Parasitism
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Ileum, Ileum

Adenocarcinoma, Nos

Kidney

Glomerulonephritis, Nos

Lung

Sarcoma, Nos, Metastatic

Lymph node

Inflammation, Nos

Mammary gland

Sarcoma, Nos, Metastatic

Unspecified

Head

Hyperplasia, Nos

Sarcoma, 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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lymph node		Hyperplasia, 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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Mammary gland

Pituitary gland

Glomerulonephritis, Nos

Adenocarcinoma, Nos

Hyperplasia, Nos

Chromophobe Adenoma

---

**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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Glomerulonephritis, Nos

Lung

Nephrosis, Hydro

Uterus

Inflammation, Interstitial

Adenocarcinoma, 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: 13:53:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 600 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis
Kidney		Glomerulonephritis, Nos
Lung	Alveoli	Alveolar/Bronchiolar Carcinoma
		Fibrosis, Focal
Lymph node		Inflammation, Interstitial
		Hyperplasia, Hematopoietic
		Inflammation, Nos
Mammary gland	Mediastinal Lymph Node	Plasmacytosis
		Adenocarcinoma, Nos
		Galactocele
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Unspecified		Leiomyosarcoma
Uterus		Endometrial Stromal Polyp
		Hyperplasia, Focal
	Endometrium	Inflammation, Nos
		Leiomyosarcoma
Vagina		Hyperplasia, 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver

Fibrosis

Inflammation, Nos

Necrosis, Coagulative

Lung

Alveolar/Bronchiolar Adenoma

Mammary gland

Hyperplasia, Nos

Spleen

Hyperplasia, Hematopoietic

Uterus

Infarct, Nos

Hemorrhage

Neoplasm, 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Fibrin Body

Kidney

Cortex Nos

Hyperplasia, Focal

Lung

Pyelonephritis, Nos

Lymph node

Adenocarcinoma, Nos, Metastatic

Pancreas

Hyperplasia, Hematopoietic

Spleen

Inflammation, Nos

Uterus

Hyperplasia, Hematopoietic

Adenocarcinoma, 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Large	Colon	Adenocarcinoma, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Lung		Inflammation, Interstitial
Lymph node		Plasmacytosis
Pituitary gland		Chromophobe Adenoma
Spleen		Hyperplasia, Hematopoietic
Stomach		Acanthosis
Uterus		Adenocarcinoma, Nos
	Endometrium	Hemorrhage
		Inflammation, Suppurative

---

**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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Clitoral gland

Kidney

Liver

Mammary gland

Spleen

Stomach

Uterus

Endometrium

Hyperplasia, Focal

Abscess, Nos

Adenoma, Nos

Glomerulonephritis, Nos

Hyperplasia, Focal

Galactocele

Hyperplasia, Nos

Hyperplasia, Hematopoietic

Hyperplasia, Focal

Hyperplasia, Adenomatous

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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Inflammation, Nos
		Necrosis, Coagulative
Lung		Inflammation, Interstitial
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pancreas	Duct Nos	Hyperplasia, Nos
		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Unspecified		Fibroma
Uterus		Hemorrhage
	Endometrium	Inflammation, Nos
		Neoplasm, 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Lung

Inflammation, Interstitial

Uterus

Polyp, Inflammatory

---

**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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Ear	Canal	Keratin-Pearl Formation
Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Interstitial
		Metamorphosis, Fatty
Lymph node		Hyperplasia, Nos
Stomach		Hyperplasia, Nos
Uterus		Endometrial Stromal Polyp
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:** 13:53:47

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

**Lab:** NA

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Intestine Small	Ileum, Ileum	Adenomatous Polyp, Nos
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Uterus	Endometrium	Inflammation, Nos
	Fallopian Tube	Inflammation, Nos
Zymbal gland		Carcinoma, 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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Lymph node		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Adenocarcinoma, Nos
Urinary bladder		Hyperplasia, Epithelial
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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatocellular Carcinoma

Uterus

Endometrial Stromal Polyp

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Glomerulonephritis, Nos
Pancreas	Acinus	Atrophy, Nos
		Inflammation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic
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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Erythropoiesis

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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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland		Adenoma, Nos
Intestine Small	Peyers Patch	Hyperplasia, Nos
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Inflammation, Nos
Skin		Squamous Cell Carcinoma
		Ulcer, Nos
Trachea		Inflammation, Nos
Urinary bladder		Hyperplasia, Epithelial
Uterus	Endometrium	Inflammation, Nos

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**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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Papillary Cystadenocarcinoma 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Ileum	Adenomatous Polyp, Nos
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
Unspecified	Scalp	Sarcoma, 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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Hemosiderosis
Uterus		Adenocarcinoma, Nos
	Endometrium	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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Liver		Fibrosis
		Inflammation, Nos
		Metamorphosis, Fatty
Lung		Fibrosis, Diffuse
		Inflammation, Interstitial

---

**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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland		Carcinoma, Nos
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Lung		Hyperplasia, Epithelial
Lymph node		Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Skin		Inflammation, Nos
		Squamous Cell Papilloma
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Stomach		Acanthosis
Uterus	Endometrium	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:** 13:53:47  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_044

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

**SEX:** Female  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Metamorphosis, Fatty
Kidney		Glomerulonephritis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Coagulative
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pancreas		Inflammation, Nos
Spleen		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Urinary bladder		Hyperplasia, Epithelial
Uterus		Adenocarcinoma, Nos
		Endometrial Stromal Polyp
	Endometrium	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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Ileum	Mucinous Cystadenocarcinoma
Kidney	Cortex	Cyst, Nos
		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Uterus	Endometrium	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: 13:53:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Inflammation, Interstitial
Kidney		Glomerulonephritis, Nos
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Hemosiderosis
		Hyperplasia, Erythroid
		Hyperplasia, Hematopoietic
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Suppurative
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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Interstitial
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
		Papillary Adenocarcinoma
Pancreas		Hyperplasia, Intraductal
Stomach		Inflammation, Nos
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:** 13:53:47

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

**Lab:** NA

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**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 600 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Mammary gland

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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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:** 13:53:47

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**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

Inflammation, Interstitial

Liver

Hyperplasia, Focal

Necrosis, Focal

Lymph node

Inflammation, Nos

Pancreas

Acinus

Atrophy, Nos

Inflammation, Nos

Zymbal gland

Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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