

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**C Number:** C56166

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

Experiment Number: C56166

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzofuran

CAS Number: 271-89-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:41:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 120.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Hyperplasia, Atypical
		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
	Islets	Metaplasia, Nos
Pituitary gland		Adenoma, Nos
Salivary gland		Atrophy, Focal
		Inflammation, Acute
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Esophagus		Hyperkeratosis
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney	Glomerulus	Amyloidosis
		Nephropathy
Stomach	Mucosa	Hyperkeratosis
	Submucosa	Inflammation, Chronic
	Mucosa	Ulcer, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nodular
Pituitary gland		Adenoma, Nos
Salivary gland		Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Uterus	Fallopian Tube	Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Infarct, Focal
		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
	Periportal	Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nasal Gland	Adenocarcinoma, Nos
	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach	Glandular Stomach	Erosion
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary	Mesovarium	Necrosis, Fat
Pancreas		Atrophy, Focal
	Islets	Metaplasia, Nos
Spleen		Hemosiderosis

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Clear-Cell Change
		Focal Cellular Change
		Inflammation, Chronic
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Spleen		Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver		Angiectasis
		Focal Cellular Change
		Hyperplasia, Nodular
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Hyperplasia, Cystic
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas		Acinar-Cell Carcinoma
		Focal Cellular Change
	Islets	Islet-Cell Carcinoma
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Salivary gland		Inflammation, Chronic
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Liver		Hernia, Nos
Lung		Hemorrhage
Spleen		Hematopoiesis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Inflammation, Interstitial
Pituitary gland		Cyst, Nos
Salivary gland		Hyperplasia, Nos
Tongue		Hyperplasia, Epithelial
Unspecified	Axilla	Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Kidney

Nephropathy

Liver

Necrosis, Focal

Mammary gland

Fibroadenoma

Hyperplasia, Cystic

Pancreas

Islets

Metaplasia, Nos

Pituitary gland

Adenoma, Nos

Spleen

Inflammation, Granulomatous Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Hyperplasia, Atypical Nephropathy
Liver		Focal Cellular Change
Lung		Inflammation, Interstitial
Mammary gland		Fibroadenoma Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach	Mucosa	Inflammation, Acute/Chronic
Tongue		Squamous Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Eye  
Intestine Large  
Kidney  
Liver  
  
Lung  
  
Nasal cavity  
Pancreas  
Spleen

Nasolacrimal Duct  
Colon

Nose Nos

Congestion, Nos  
Inflammation, Chronic  
Parasitism  
Infarct, Focal  
Congestion, Nos  
Metamorphosis, Fatty  
Congestion, Nos  
Perivascular Cuffing  
Inflammation, Acute/Chronic  
Atrophy, Focal  
Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_014

**TRT#:** 1  
**DOSE:** 120.0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

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

**OBSERVATIONS**

Adrenal gland		Congestion, Nos
	Cortex Nos	Hyperplasia, Nodular
Kidney		Infarct, Focal
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Kupffer Cell	Erythrophagocytosis
Lung		Alveolar Macrophages
Nasal cavity	Nose Nos	Inflammation, Acute Focal
Unspecified	Multiple Organs Nos	Hemorrhage
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hemosiderosis
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney		Infarct, Focal
		Nephropathy
Liver		Hernia, Nos
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Cyst, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Ectopia

Eye

Cortex Nos

Hyperplasia, Nodular

Nasolacrimal Duct

Cyst, Epidermal Inclusion

Nasolacrimal Duct

Inflammation, Chronic

Intestine Small

Mesentery Nos

Necrosis, Fat

Mesentery Nos

Periarteritis

Liver

Congestion, Nos

Lung

Focal Cellular Change

Alveolar Macrophages

Spleen

Congestion, Nos

Hemosiderosis

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Pancreas		Atrophy, Focal
	Islets	Metaplasia, Nos
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Salivary gland		Fibrosis, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Unspecified	Axilla	Fibroma
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Acute/Chronic
Kidney	Tubule	Nephropathy Pigmentation, Nos Tubular-Cell Adenocarcinoma
Liver		Fibrosis, Cholangio Hernia, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_020

**TRT#:** 1  
**DOSE:** 120.0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Ectopia
	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
Lymph node	Submandibular Lymph Node	Hemosiderosis
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
Stomach	Submucosa	Inflammation, Chronic
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Hyperplasia, Adenomatous
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Liver		Congestion, Nos
		Inflammation, Granulomatous Focal
Lung		Congestion, Nos
Spleen		Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1  
**DOSE:** 120.0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Ectopia
Clitoral gland		Inflammation, Acute/Chronic
Kidney		Nephropathy
		Tubular-Cell Adenocarcinoma
Liver		Focal Cellular Change
		Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Stomach	Forestomach	Squamous Cell Carcinoma
Thymus		Lymphoma, Histiocytic-Malignant Type
Unspecified	Ear	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hernia, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
	Intrahepatic Bile Duct	Inflammation, Chronic
Pituitary gland		Cyst, Nos
Spleen		Hemosiderosis
Tongue		Squamous Cell Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Inflammation, Chronic
Kidney		Hyperplasia, Atypical
		Nephropathy
Liver		Focal Cellular Change
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Adenomatous
Ovary	Mesovarium	Necrosis, Fat
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Thyroid		Hyperplasia, C Cell
	Follicle	Papillary Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney	Cortex	Cyst, Nos
		Nephropathy
		Tubular-Cell Adenocarcinoma
Liver		Focal Cellular Change
Lung		Alveolar Macrophages
		Hyperplasia, Adenomatous
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hemosiderosis
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Acute
Intestine Large	Colon	Parasitism
Kidney	Glomerulus	Amyloidosis
		Nephropathy
Liver		Degeneration, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Angiectasis
		Cyst, Nos
Stomach	Mucosa	Ulcer, Nos
Unspecified	Multiple Organs Nos	Edema, Nos
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Infarct, Focal
		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Centrilobular	Metamorphosis, Fatty
Mammary gland		Fibroadenoma
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Angiectasis
		Hyperplasia, Chromophobe Cell
Spleen		Hematopoiesis
Unspecified	Neck	Neurilemoma, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Cortex Nos

Metamorphosis, Fatty

Kidney

Nephropathy

Tubule

Pigmentation, Nos

Liver

Centrilobular

Degeneration, Nos

Lung

Alveolar Macrophages

Hemorrhage

Pancreas

Atrophy, Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Ectopia
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Deposit, Nos
Mammary gland		Fibroadenoma
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Salivary gland		Cytologic Alteration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Degeneration, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hemosiderosis
Thyroid	Follicle	Papillary Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Infarct, Focal Nephropathy
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Hemosiderosis
Thyroid	Follicle	Papillary Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytoplasmic Vacuolization Focal Cellular Change Hyperplasia, Nodular
Lung		Edema, Nos Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Thyroid	Follicle	Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic
Lung		Inflammation, Chronic
		Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Accidentally Killed

**HISTO:**

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**OBSERVATIONS**

Lung

Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lung		Perivascular Cuffing
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Erythropoiesis
Unspecified	Neck	Neurilemoma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Spleen		Hemosiderosis

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hematopoiesis
Blood		Leukocytosis, Nos
Bone marrow		Hyperplasia, Granulocytic
Clitoral gland		Inflammation, Chronic
Kidney		Nephropathy
Liver	Centrilobular	Degeneration, Nos
		Hematopoiesis
	Centrilobular	Metamorphosis, Fatty
Lung		Perivascular Cuffing
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
		Hemosiderosis
	Capsule	Sclerosis
Stomach	Forestomach	Edema, Nos
	Forestomach	Hyperplasia, Epithelial
	Forestomach	Ulcer, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Hyperplasia, Granulocytic

Unspecified

Abdominal Cavity

Neoplasm, Malignant, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Acute/Chronic
Kidney		Nephropathy
Liver		Degeneration, Nos
		Hepatocellular Adenoma
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lymph node	Submandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Liver

Lung

Pancreas

Unspecified

Islets

Multiple Organs Nos

Inflammation, Chronic

Focal Cellular Change

Alveolar Macrophages

Perivascular Cuffing

Metaplasia, Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla Cortex Nos	Ectopia Hyperplasia, Focal Hyperplasia, Nodular Inflammation, Chronic
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy Tubular-Cell Adenocarcinoma
Liver		Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
Mammary gland		Fibroadenoma Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Stomach	Forestomach	Hyperplasia, Epithelial
Tongue		Squamous Cell Papilloma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Degeneration, Cystic Inflammation, Acute/Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Centrilobular	Degeneration, Nos
Lung		Perivascular Cuffing
Spleen		Hemosiderosis
Unspecified	Neck	Hemorrhage
	Neck	Inflammation, Acute Diffuse
Zymbal gland		Carcinoma, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver		Degeneration, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland		Hyperplasia, Chromophobe Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

---

**OBSERVATIONS**

Lung

Hemorrhage

Thymus

Hemorrhage

Unspecified

Mediastinum Nos

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

---

**OBSERVATIONS**

Bone	Osteosclerosis
Lung	Pneumonia, Aspiration
Spleen	Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver	Centrilobular	Cytoplasmic Vacuolization
	Intrahepatic Bile Duct	Inflammation, Chronic
	Periportal	Metamorphosis, Fatty
Lung		Inflammation, Chronic
		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Spleen		Hemosiderosis
Unspecified	Neck	Neurilemoma, Malignant
		Squamous Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Centrilobular

Degeneration, Nos

Lung

Focal Cellular Change

Mammary gland

Alveolar Macrophages

Pituitary gland

Fibroadenoma

Uterus

Endometrium

Cyst, Nos

Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 120.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Degeneration, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Salivary gland		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Hyperplasia, Atypical Nephropathy
Liver		Focal Cellular Change
Lung	Bronchiole	Hyperplasia, Focal Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Spleen		Erythropoiesis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos  
Tubule

Necrosis, Fat  
Metamorphosis, Fatty  
Nephropathy

Liver  
Pituitary gland  
Spleen

Tubule

Pigmentation, Nos  
Metamorphosis, Fatty  
Hyperplasia, Chromophobe Cell  
Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver	Periportal	Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Salivary gland		Inflammation, Acute
Spleen		Hemosiderosis
Uterus		Thrombus, Organized

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephropathy
Lung		Alveolar/Bronchiolar Adenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary	Mesovarium	Necrosis, Fat
Pituitary gland		Cyst, Nos
Thyroid		Follicular-Cell Adenoma
Unspecified	Neck	Granuloma, Foreign Body
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Mediastinum Nos	Necrosis, Fat
		Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Kidney  
Lung

Mesentery Nos

Necrosis, Fat  
Nephropathy  
Alveolar Macrophages

Pancreas

Islets

Perivascular Cuffing  
Cytologic Alteration, Nos  
Hyperplasia, Nodular

Pituitary gland  
Thyroid

Adenoma, Nos  
Hyperplasia, C Cell

Unspecified  
Zymbal gland

Neck

Neurilemoma, Malignant  
Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Congestion, Nos

Lung

Perivascular Cuffing

Pituitary gland

Hyperplasia, Chromophobe Cell

Spleen

Hemosiderosis

Thyroid

Cystic Follicles

Uterus

Deciduoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lipoma

Liver

Nephropathy

Ovary

Focal Cellular Change

Pituitary gland

Cyst, Nos

Spleen

Cyst, Nos

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Focal Cellular Change
	Cortex Nos	Metamorphosis, Fatty
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
	Hepatocytes	Pleomorphism
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Inflammation, Acute Focal
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 060.0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney	Pelvis	Hyperplasia, Papillary Nephropathy
Liver		Metamorphosis, Fatty Necrosis, Focal
Ovary		Cyst, Nos
Pancreas	Islets	Hyperplasia, Nodular Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic
	Forestomach	Ulcer, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Cyst, Nos

Lung

Nephropathy

Pituitary gland

Hyperplasia, Adenomatous

Cyst, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Chromophobe Cell

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Pancreas

Hyperplasia, Nodular

Pituitary gland

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
		Nephropathy
Liver		Hernia, Nos
Pituitary gland		Cyst, Nos
Spleen		Hemosiderosis
Unspecified	Neck	Neurilemoma, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Necrosis, Focal

Pituitary gland

Hyperplasia, Chromophobe Cell

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Neck

Neurilemoma, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Hyperplasia, Nos

Mammary gland

Metamorphosis, Fatty

Pituitary gland

Fibroadenoma

Spleen

Cyst, Nos

Uterus

Endometrial Gland

Hyperplasia, Chromophobe Cell

Hemosiderosis

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**DOSE:** 060.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Mammary gland

Thyroid

Uterus

Nephropathy

Necrosis, Focal

Fibroadenoma

Hyperplasia, C Cell

Dilatation, Nos

Hyperplasia, Stromal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Kidney		Nephropathy
Liver		Angiectasis
Lung		Hyperplasia, Adenomatous
Mammary gland		Fibroadenoma
Ovary	Mesovarium	Necrosis, Fat
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Uterus		Cyst, Epidermal Inclusion

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Inflammation, Acute

Kidney

Nephropathy

Liver

Intrahepatic Bile Duct

Inflammation, Chronic

Mammary gland

Fibroadenoma

Pituitary gland

Cyst, Nos

Zymbal gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Liver

Degeneration, Nos

Mammary gland

Fibroadenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Pituitary gland		Cyst, Nos
Spleen		Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Inflammation, Acute/Chronic
Eye	Lens, Cortex	Cataract
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Mitotic Alteration
Lung		Bronchopneumonia, Acute
		Congestion, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Trachea		Inflammation, Acute
Unspecified	Pelvis	Neurilemoma, Malignant
Vagina		Neurilemoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
		Metamorphosis, Fatty
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Spleen		Erythropoiesis
Tongue		Squamous Cell Papilloma
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 060.0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

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

**OBSERVATIONS**

Eye	Lens, Cortex Retina Nasolacrimal Duct	Cataract Degeneration, Nos Inflammation, Chronic Nephropathy
Kidney		Necrosis, Nos
Liver	Centrilobular	Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Degeneration, Hyaline
Nasal cavity	Nose Nos	Hemosiderosis
Spleen		Endometrial Stromal Polyp
Uterus		

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Heart

Kidney

Liver

Myocardium Nos

Intrahepatic Bile Duct

Lung

Mammary gland

Nasal cavity

Nose Nos

Inflammation, Chronic

Fibrosis

Nephropathy

Focal Cellular Change

Hyperplasia, Nodular

Inflammation, Chronic

Alveolar/Bronchiolar Carcinoma

Hyperplasia, Adenomatous

Fibroadenoma

Degeneration, Hyaline

---

PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Liver

Necrosis, Focal

Mammary gland

Fibroadenoma

Ovary

Mesovarium

Necrosis, Fat

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Degeneration, Nos

Focal Cellular Change

Lung

Metamorphosis, Fatty

Mammary gland

Hyperplasia, Adenomatous

Pituitary gland

Hyperplasia, Cystic

Spleen

Adenoma, Nos

Stomach

Submucosa

Hematopoiesis

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Nephropathy

Clear-Cell Change

Focal Cellular Change

Hyperplasia, Nodular

Inflammation, Chronic

Pituitary gland

Thyroid

Intrahepatic Bile Duct

Hyperplasia, Chromophobe Cell

Cystic Follicles

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos

Necrosis, Fat  
Nephropathy  
Tubular-Cell Adenocarcinoma

Liver  
Mammary gland  
Pituitary gland  
Stomach

Necrosis, Focal  
Hyperplasia, Cystic  
Adenoma, Nos

Forestomach

Edema, Nos

Forestomach

Hyperplasia, Epithelial

Forestomach

Ulcer, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Neck

Neurilemoma, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney	Cortex	Cyst, Nos Nephropathy
Liver		Hematopoiesis
Lung		Perivascular Cuffing
Lymph node	Renal Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Tubule

Pigmentation, Nos

Mammary gland

Fibroadenoma

Ovary

Mesovarium

Necrosis, Fat

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Mammary gland		Fibroadenoma
Pancreas	Islets	Metaplasia, Nos
Pituitary gland		Hemosiderosis
		Hyperplasia, Chromophobe Cell
Tongue		Hyperplasia, Epithelial
Unspecified	Neck	Neurilemoma, Malignant
Uterus	Endometrial Gland	Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Thyroid

Cyst, Nos

Unspecified

Neck

C-Cell Adenoma

Uterus

Neurilemoma, Malignant

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Clitoral gland

Inflammation, Chronic

Eye

Nasolacrimal Duct

Inflammation, Chronic

Kidney

Nephropathy

Lung

Congestion, Nos

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Clitoral gland

Pulmonary Artery Nos

Mineralization  
Cyst, Nos  
Inflammation, Chronic

Heart  
Kidney  
Liver  
Lung  
Mammary gland

Myocardium Nos

Fibrosis  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic  
Dilatation, Ducts  
Fibrosis, Diffuse  
Hyperplasia, Cystic  
Adenoma, Nos

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Kidney		Nephropathy
Liver		Inflammation, Granulomatous Focal
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Spleen		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Unspecified	Face	Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C56166

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzofuran

CAS Number: 271-89-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:41:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 060.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Clitoral gland		Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Centrilobular	Atrophy, Nos
		Hematopoiesis
Mammary gland		Hyperplasia, Cystic
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hematopoiesis
Stomach	Mucosa	Cyst, Nos
	Glandular Stomach	Fibrosarcoma
	Mucosa	Hyperkeratosis
	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Hyperplasia, Epithelial
	Muscularis	Inflammation, Acute/Chronic
	Glandular Stomach	Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Inflammation, Chronic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland		Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Kidney  
Liver

Pulmonary Artery Nos

Mineralization  
Nephropathy  
Focal Cellular Change

Mammary gland  
Pancreas  
Pituitary gland

Hernia, Nos  
Fibroadenoma  
Atrophy, Focal  
Cyst, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Chromophobe Cell  
Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
	Cortex Nos	Metamorphosis, Fatty
Blood		Leukocytosis, Nos
Clitoral gland		Inflammation, Chronic
Kidney	Tubule	Metamorphosis, Fatty
		Nephropathy
Liver	Periportal	Metamorphosis, Fatty
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Stomach	Mucosa	Hyperkeratosis
	Submucosa	Inflammation, Chronic
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Mammary gland

Hyperplasia, Cystic

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel  
Clitoral gland  
Heart  
Kidney  
Mammary gland  
Uterus

Pulmonary Artery Nos

Myocardium Nos

Mineralization  
Inflammation, Acute  
Fibrosis  
Nephropathy  
Fibroadenoma  
Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Tongue		Hyperkeratosis
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Hyperplasia, Cystic

Nasal cavity

Nose Nos

Degeneration, Hyaline

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Large  
Kidney

Rectum

Neurilemoma, Metastatic  
Nephropathy

Liver  
Lung  
Pituitary gland  
Spleen

Tubule

Pigmentation, Nos  
Neurilemoma, Metastatic  
Neurilemoma, Metastatic  
Angiectasis  
Hemosiderosis  
Neurilemoma, Metastatic  
Neurilemoma, Malignant

Unspecified

Pelvis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Mineralization

Eye

Lens, Cortex

Cataract

Kidney

Nephropathy

Liver

Congestion, Nos

Mammary gland

Metamorphosis, Fatty

Pituitary gland

Hyperplasia, Cystic

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Dilatation, Nos

Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Pancreas		Atrophy, Focal
Thyroid		C-Cell Adenoma
Unspecified	Neck	Neurilemoma, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Hepatic Artery	Thrombosis, Nos
Clitoral gland		Inflammation, Acute/Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Degeneration, Nos
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Cystic
Pituitary gland		Cyst, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 060.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Liver

Degeneration, Nos

Intrahepatic Bile Duct

Hyperplasia, Nos

Mesovarium

Necrosis, Fat

Ovary

Pituitary gland

Cyst, Nos

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Acute/Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Jejunum	Hyperplasia, Lymphoid
Kidney		Nephropathy
Liver		Focal Cellular Change
		Hernia, Nos
Lung		Perivascular Cuffing
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Cyst, Nos
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Lens, Cortex	Cataract
	Retina	Degeneration, Nos
Kidney	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Ovary	Mesovarium	Angiectasis
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Inflammation, Chronic

Eye

Lens, Cortex

Cataract

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Cyst, Hemorrhagic

Thyroid

Cyst, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver	Intrahepatic Bile Duct	Hyperplasia, Nos Inflammation, Acute Focal Perivascular Cuffing
Lung		Inflammation, Acute/Chronic
Nasal cavity	Nose Nos	Inflammation, Chronic Focal
Pancreas		Cyst, Nos
Pituitary gland		Inflammation, Acute
Salivary gland		Hemosiderosis
Spleen		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
		Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hernia, Nos
Mammary gland		Hyperplasia, Nos
Nasal cavity		Hyperplasia, Cystic
Ovary	Nose Nos	Degeneration, Hyaline
Pituitary gland		Neurilemoma, Malignant
Thyroid		Hyperplasia, Chromophobe Cell
		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Lymphocytic Inflammatory Infiltrate
		Nephropathy
Liver		Focal Cellular Change
		Lymphocytic Inflammatory Infiltrate
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
		Hyperplasia, Nodular
Pituitary gland		Adenoma, Nos
		Cyst, Hemorrhagic
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_008

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

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain		Hydrocephalus, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute/Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lymph node	Submandibular Lymph Node	Hemosiderosis
Mammary gland		Hyperplasia, Cystic
		Inflammation, Chronic Focal
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Carcinoma, Nos
Spleen		Hemosiderosis
Stomach	Submucosa	Edema, Nos
	Submucosa	Eosinophilic Leukocytic Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Chronic
Eye	Lens, Cortex	Cataract
	Retina	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Ovary	Mesovarium	Necrosis, Fat
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood vessel	Artery Nos	Inflammation, Acute/Chronic
Bone		Osteosclerosis
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		C-Cell Carcinoma, Metastatic
		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis
Thyroid		C-Cell Carcinoma
Unspecified	Neck	Lipoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Inflammation, Chronic
Mammary gland		Hyperplasia, Cystic
		Inflammation, Acute/Chronic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Uterus		Dilatation, Nos
		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Liver		Focal Cellular Change
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C56166

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzofuran

CAS Number: 271-89-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:41:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone		Osteosclerosis
Eye	Lens, Cortex	Cataract
	Retina	Degeneration, Nos
	Nasolacrimal Duct	Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
Lung		Hemorrhage
		Inflammation, Chronic
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
	Nasal Gland	Fibrosis
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Salivary gland		Atrophy, Focal
Stomach	Mucosa	Ulcer, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Granular-Cell Tumor, Nos
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart		Neurilemoma, Malignant
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
		Hyperplasia, Nodular
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Nasal cavity

Nose Nos

Degeneration, Hyaline

Pituitary gland

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Inflammation, Acute/Chronic
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Inflammation, Chronic
Heart		Neurilemoma, Malignant
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Inflammation, Granulomatous Focal
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Thyroid		C-Cell Adenoma
Uterus		Dilatation, Nos
		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_018

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Clitoral gland		Inflammation, Acute/Chronic
Liver		Focal Cellular Change
Lung		Alveolar Macrophages
		Perivascular Cuffing
Lymph node	Submandibular Lymph Node	Lymphangiectasis
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Oral mucosa	Palate Nos	Squamous Cell Papilloma
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Salivary gland		Atrophy, Focal
		Inflammation, Chronic
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Neck	Neurilemoma, Malignant
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:29  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_020

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Fibrosis
Intestine Large	Colon	Parasitism
Kidney		Infarct, Focal
		Nephropathy
Liver		Focal Cellular Change
Lung		Pheochromocytoma, Metastatic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Oral mucosa	Palate Nos	Hyperplasia, Pseudoepitheliomatous
Pancreas		Atrophy, Focal
Pituitary gland		Angiectasis
Thyroid		C-Cell Adenoma
		Cystic Follicles
Unspecified	Neck	Cyst, Epidermal Inclusion
	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:29

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

**Lab:** NA

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**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Nasolacrimal Duct

Inflammation, Chronic

Kidney

Tubule

Metamorphosis, Fatty

Liver

Periportal

Metamorphosis, Fatty

Pituitary gland

Hyperplasia, Chromophobe Cell

Spleen

Hemosiderosis

Stomach

Mucosa

Ulcer, Nos

Unspecified

Inflammation, Acute Diffuse

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C56166

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzofuran

CAS Number: 271-89-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:41:29

First Dose M/F: NA / NA

Lab: NA

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Blood		Leukocytosis, Nos
Eye	Lens, Cortex	Cataract
	Retina	Degeneration, Nos
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Thyroid		Hyperplasia, C Cell
Urinary bladder		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Intestine Large	Colon	Parasitism
Liver		Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Nasal cavity	Nose Nos	Degeneration, Hyaline
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_024

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Eye	Lens, Cortex Retina	Cataract Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Hyperplasia, Cystic Degeneration, Hyaline
Pituitary gland		Adenoma, Nos Cyst, Nos
Spleen		Hemosiderosis
Thyroid		Cystic Follicles
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Congestion, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Ectopia

Liver

Cortex Nos

Metamorphosis, Fatty

Nasal cavity

Intrahepatic Bile Duct

Degeneration, Nos

Pituitary gland

Nose Nos

Hyperplasia, Nos

Spleen

Degeneration, Hyaline

Unspecified

Multiple Organs Nos

Cyst, Nos

Hyperplasia, Chromophobe Cell

Fibrosis, Diffuse

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary	Mesovarium	Necrosis, Fat
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hemosiderosis
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Blood		Leukocytosis, Nos
Bone marrow		Fibrosis, Focal
		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Hydro
Liver		Focal Cellular Change
	Periportal	Metamorphosis, Fatty
Lung		Alveolar Macrophages
		Perivascular Cuffing
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Urinary bladder		Neurilemoma, Metastatic
Uterus	Endometrial Gland	Cyst, Nos
Vagina		Neurilemoma, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Clitoral gland

Inflammation, Chronic

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Nasal cavity

Nose Nos

Degeneration, Hyaline

Pituitary gland

Adenoma, Nos

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_030

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Acute/Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
		Inflammation, Acute/Chronic
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Necrosis, Focal
Bone		Osteosclerosis
Clitoral gland		Endometrial Stromal Sarcoma, Metastatic
Eye	Nasolacrimal Duct	Inflammation, Acute
Intestine Large	Rectum	Inflammation, Acute
Liver	Hepatocytes	Atypia, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Atrophy, Focal
Stomach	Glandular Stomach	Fibrosis, Diffuse
Trachea	Gland	Inflammation, Acute
Vagina		Endometrial Stromal Sarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow  
Clitoral gland  
Intestine Small  
Kidney  
Liver  
Pancreas  
Pituitary gland

Mesentery Nos

Metaplasia, Osseous  
Cyst, Nos  
Necrosis, Fat  
Nephropathy  
Degeneration, Nos  
Atrophy, Focal  
Cyst, Nos  
Hemosiderosis  
Hyperplasia, Chromophobe Cell  
Leukemia, Mononuclear Cell  
Dilatation, Nos

Unspecified  
Uterus

Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_033

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Inflammation, Acute/Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Inflammation, Granulomatous Focal
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
	Nose Nos	Inflammation, Chronic
Ovary	Mesovarium	Necrosis, Fat
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp
Vagina		Inflammation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Eye

Nasolacrimal Duct

Inflammation, Chronic

Heart

Myocardium Nos

Fibrosis

Liver

Degeneration, Nos

Focal Cellular Change

Intrahepatic Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Liver

Focal Cellular Change

Intrahepatic Bile Duct

Inflammation, Chronic

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood		Leukocytosis, Nos
Bone marrow		Hyperplasia, Granulocytic
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Lymph node		Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pituitary gland		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hematopoiesis
Unspecified	Abdomen	Fibrosarcoma
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
	Cortex Nos	Metamorphosis, Fatty
Bone		Osteosclerosis
Eye	Nasolacrimal Duct	Inflammation, Chronic
Liver		Degeneration, Nos
	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Spleen		Infarct, Nos
Stomach	Mucosa	Ulcer, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Edema, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_038

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

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Clitoral gland		Inflammation, Chronic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
		Inflammation, Acute/Chronic
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_039

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Clitoral gland		Degeneration, Cystic
Eye	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary	Mesovarium	Necrosis, Fat
Pituitary gland		Adenoma, Nos
		Cyst, Nos
		Hyperplasia, Chromophobe Cell
Spleen		Hemosiderosis

**PRIMARY CAUSE OF DEATH** -

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_040

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Blood vessel  
Eye  
Heart  
Kidney  
Liver

Pulmonary Artery Nos  
Nasolacrimal Duct  
Myocardium Nos

Lung  
Mammary gland

Pituitary gland

Spleen  
Thyroid

Mineralization  
Inflammation, Chronic  
Fibrosis  
Nephropathy  
Focal Cellular Change  
Lymphocytic Inflammatory Infiltrate  
Perivascular Cuffing  
Fibroadenoma  
Hyperplasia, Cystic  
Adenoma, Nos  
Cyst, Nos  
Hemosiderosis  
Cystic Follicles  
Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Eye

Kidney

Liver

Nasolacrimal Duct

Intrahepatic Bile Duct

Nasal cavity

Nose Nos

Adenoma, Nos

Inflammation, Chronic

Nephropathy

Focal Cellular Change

Hernia, Nos

Hyperplasia, Nos

Degeneration, Hyaline

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland

Kidney

Liver

Intrahepatic Bile Duct

Mammary gland

Thymus

Unspecified

Uterus

Multiple Organs Nos

Inflammation, Chronic

Nephropathy

Degeneration, Nos

Focal Cellular Change

Hyperplasia, Nos

Necrosis, Focal

Hyperplasia, Cystic

Cystadenoma, Nos

Leukemia, Mononuclear Cell

Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_043

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone		Osteosclerosis
Clitoral gland		Inflammation, Acute/Chronic
Heart		Neurilemoma, Malignant
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Nasal cavity	Nose Nos	Hyperplasia, Cystic
Pancreas		Degeneration, Hyaline
Parathyroid gland		Hyperplasia, Nodular
Pituitary gland		Fibrosis
Thyroid	Follicle	Cyst, Nos
Unspecified	Multiple Organs Nos	Metaplasia, Squamous Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C56166

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzofuran

CAS Number: 271-89-6

Date Report Requested: 10/26/2014

Time Report Requested: 13:41:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_044

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone		Osteosclerosis
Kidney	Tubule	Metamorphosis, Fatty
		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hyperplasia, Nodular
		Metamorphosis, Fatty
Lung		Hyperplasia, Adenomatous
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary		Neurilemoma, Malignant
Unspecified	Multiple Organs Nos	Leukemoid Reaction
Uterus	Endometrial Gland	Degeneration, Cystic
		Dilatation, Nos
		Neurilemoma, Metastatic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_045

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

**SEX:** Female  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Blood		Leukocytosis, Nos
Bone		Osteosclerosis
Clitoral gland		Inflammation, Chronic
Eye	Lens, Cortex	Cataract
	Retina	Degeneration, Nos
	Nasolacrimal Duct	Inflammation, Chronic
Kidney		Nephropathy
Liver	Intrahepatic Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pituitary gland		Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Dilatation, Nos
		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Osteosclerosis
Clitoral gland		Inflammation, Chronic
Heart	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Chronic
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Ovary	Mesovarium	Necrosis, Fat
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Focal Cellular Change
		Hernia, Nos
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Preputial gland		Inflammation, Acute/Chronic
Salivary gland		Focal Cellular Change
Thyroid	Follicle	Papillary Adenoma
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

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**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Ectopia

Clitoral gland

Inflammation, Chronic

Heart

Myocardium Nos

Inflammation, Chronic

Intestine Large

Colon

Parasitism

Liver

Focal Cellular Change

Lung

Perivascular Cuffing

Mammary gland

Fibroadenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzofuran

**CAS Number:** 271-89-6

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

**Time Report Requested:** 13:41:30

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

**Lab:** NA

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland

Adenoma, Nos

Eye

Inflammation, Chronic

Heart

Nasolacrimal Duct

Inflammation, Chronic

Intestine Small

Myocardium Nos

Fibrosis

Kidney

Mesentery Nos

Necrosis, Fat

Liver

Nephropathy

Lung

Focal Cellular Change

Nasal cavity

Nose Nos

Alveolar Macrophages

Pituitary gland

Degeneration, Hyaline

Spleen

Cyst, Nos

Unspecified

Groin

Hematopoiesis

Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56166  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzofuran  
**CAS Number:** 271-89-6

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 13:41:30  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_050

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

**SEX:** Female  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Bone		Osteosclerosis
Eye	Nasolacrimal Duct	Inflammation, Chronic
Liver		Focal Cellular Change
	Intrahepatic Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Perivascular Cuffing
Mammary gland		Adenoma, Nos
Nasal cavity	Nose Nos	Degeneration, Hyaline
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Thyroid		Cystic Follicles
Uterus		Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

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