

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**C Number:** C55641

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_051

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Inflammation, Acute

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Trachea

Adenoma, Nos

Inflammation, Chronic

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_052

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos

Liver

Angiectasis  
Degeneration, Nos  
Calcification, Focal  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal

Pancreas  
Pituitary gland  
Thyroid

Acinus  
Anterior Pituitary

Uterus

Atrophy, Nos  
Adenoma, Nos  
C-Cell Adenoma  
Hyperplasia, C Cell  
Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_053

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Intestine Small

Myocardium Nos

Degeneration, Nos

Kidney

Mesentery Nos

Necrosis, Fat

Liver

Calcification, Focal

Nephropathy

Lung

Focal Cellular Change

Inflammation, Chronic Focal

Thyroid

Inflammation, Chronic Focal

Urinary bladder

Hyperplasia, C Cell

Inflammation, Chronic Focal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_054

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Brain

Cerebrum

Perivascular Cuffing

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Focal Cellular Change

Stomach

Fundal Gland

Dilatation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_055

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Liver

Mammary gland

Pancreas

Spleen

Acinus

Hyperplasia, Reticulum Cell

Focal Cellular Change

Inflammation, Chronic Focal

Adenocarcinoma, Nos

Atrophy, Focal

Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_056

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Ovary

Granulosa-Cell Tumor

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Fundal Gland

Dilatation, Nos

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_057

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Degeneration, Lipoid
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_058

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos

Angiectasis  
Degeneration, Nos  
Calcification, Focal  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal

Liver

Pituitary gland

Anterior Pituitary  
Anterior Pituitary

Adenoma, Nos  
Cyst, Nos  
Hyperplasia, Epithelial  
Hyperplasia, C Cell  
Endometrial Stromal Sarcoma

Stomach

Forestomach

Thyroid

Uterus

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_059

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Medulla

Hyperplasia, Nos

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Lung

Focal Cellular Change

Pituitary gland

Hernia, Nos

Anterior Pituitary

Inflammation, Chronic Focal

Thyroid

Anterior Pituitary

Cyst, Nos

Hyperplasia, Focal

Hyperplasia, C Cell

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_060

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Mammary gland

Fibroadenoma

Pancreas

Acinus

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Cyst, Nos

Stomach

Fundal Gland

Dilatation, Nos

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_061

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lung		Perivascular Cuffing
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Dilatation, Nos
	Forestomach	Hyperplasia, Epithelial
Thyroid		Hyperplasia, C Cell
Uterus		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_062

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Mammary gland

Pituitary gland

Thyroid

Unspecified

Anterior Pituitary

Multiple Organs Nos

Pigmentation, Nos

Focal Cellular Change

Metamorphosis, Fatty

Thrombosis, Nos

Hyperplasia, Cystic

Adenoma, Nos

C-Cell Adenoma

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_063

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Liver

Inflammation, Chronic Focal

Ovary

Cyst, Parovarian

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Stomach

Forestomach

Hyperplasia, Epithelial

Thyroid

C-Cell Adenoma

Hyperplasia, C Cell

Uterus

Cyst, Nos

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_064

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Brain

Cortex Nos

Degeneration, Lipoid

Heart

Cerebellum Nos

Carcinoma, Nos, Invasive

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Lymph node

Focal Cellular Change

Mammary gland

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Plasmacytosis

Thyroid

Adenocarcinoma, Nos

Hyperplasia, Cystic

Urinary bladder

Carcinoma, Nos

C-Cell Adenoma

Hyperplasia, C Cell

Inflammation, Chronic Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_065

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Calcification, Focal
		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Degeneration, Nos
Thyroid		C-Cell Adenoma
Zymbal gland		Carcinoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_066

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Focal Cellular Change
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_067

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Degeneration, Lipoid Hyperplasia, Reticulum Cell
Bone marrow		Degeneration, Nos Nephropathy
Heart	Myocardium Nos	Focal Cellular Change Inflammation, Chronic Focal Pigmentation, Nos
Kidney		Adenoma, Nos
Liver		Adenoma, Nos
Mammary gland		Hyperplasia, Epithelial
Pituitary gland	Anterior Pituitary	Hyperplasia, C Cell
Stomach	Forestomach	
Thyroid		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_068

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Kidney

Calcification, Focal

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_069

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Inflammation, Chronic Focal

Ovary

Hyperplasia, Cystic

Pituitary gland

Granulosa-Cell Tumor

Skin

Anterior Pituitary

Adenoma, Nos

Thyroid

Nose

Squamous Cell Carcinoma

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Uterus

Leukemia, Mononuclear Cell

Cyst, Nos

Dilatation, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_070

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Pancreas

Acinus

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Atrophy, Nos

Stomach

Anterior Pituitary

Cyst, Nos

Forestomach

Hyperplasia, Focal

Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_071

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Intestine Small

Myocardium Nos

Degeneration, Nos

Kidney

Mesentery Nos

Necrosis, Fat

Liver

Nephropathy

Lymph node

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Hemosiderosis

Adenoma, Nos

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_072

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Lung

Perivascular Cuffing

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Stomach

Fundal Gland

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_073

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_074

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Brain  
Heart  
Kidney  
Liver

Cortex Nos

Angiectasis  
Hypoplasia, Nos  
Hydrocephalus, Nos  
Inflammation, Chronic  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal  
Metamorphosis, Fatty  
Hyperplasia, Cystic

Myocardium Nos

Mammary gland  
Pituitary gland  
Spleen

Anterior Pituitary

Adenoma, Nos  
Hemosiderosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_075

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Stomach

Fundal Gland

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_076

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Heart  
Liver  
Mammary gland  
Spleen  
Thymus  
Thyroid

Myocardium Nos

Hyperplasia, Nos  
Inflammation, Chronic  
Inflammation, Chronic Focal  
Fibroadenoma  
Hematopoiesis  
Cyst, Nos  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_077

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Liver		Focal Cellular Change
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_078

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Lipoid

Eye

Hemorrhage

Liver

Metamorphosis, Fatty

Pancreas

Acinus

Atrophy, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_079

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Focal Cellular Change

Ovary

Fibroadenoma

Cyst, Parovarian

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_080

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Uterus

Anterior Pituitary

Adenoma, Nos

Cyst, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_081

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Nephropathy

Liver

Focal Cellular Change

Thyroid

Inflammation, Chronic Focal

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_082

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Inflammation, Chronic Focal
Lung		Perivascular Cuffing
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		C-Cell Carcinoma
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_083

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Pituitary gland

Anterior Pituitary

Focal Cellular Change

Anterior Pituitary

Inflammation, Chronic Focal

Spleen

Angiectasis

Stomach

Hyperplasia, Focal

Thyroid

Fundal Gland

Hemosiderosis

Dilatation, Nos

Follicular-Cell Adenoma

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_084

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Intestine Small

Cortex Nos

Degeneration, Lipoid

Kidney

Mesentery Nos

Necrosis, Fat

Liver

Nephropathy

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Mammary gland

Metamorphosis, Fatty

Pituitary gland

Anterior Pituitary

Perivascular Cuffing

Hyperplasia, Cystic

Spleen

Adenoma, Nos

Thymus

Cyst, Nos

Thyroid

Hemosiderosis

Cyst, Nos

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_085

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Brain

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Carcinoma, Nos, Invasive

Kidney

Degeneration, Nos

Calcification, Focal

Mammary gland

Nephropathy

Fibroadenoma

Ovary

Hyperplasia, Cystic

Cyst, Parovarian

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Carcinoma, Nos

Stomach

Fundal Gland

Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_086

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Uterus		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_087

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney  
Liver

Cortex Nos  
Myocardium Nos

Angiectasis  
Degeneration, Nos  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal

Pancreas  
Pituitary gland  
Stomach  
Thyroid

Acinus  
Anterior Pituitary  
Fundal Gland

Atrophy, Nos  
Cyst, Nos  
Dilatation, Nos  
C-Cell Adenoma  
Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_088

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hyperplasia, Focal

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Ovary

Cyst, Parovarian

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_089

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_090

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Necrosis, Nos

Medulla

Pheochromocytoma

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Amyloidosis

Focal Cellular Change

Inflammation, Chronic Focal

Necrosis, Nos

Mammary gland

Adenocarcinoma, Nos

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Carcinoma, Nos

Spleen

Hemosiderosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_091

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Cortex Nos

Degeneration, Lipoid

Liver

Hyperplasia, Reticulum Cell

Focal Cellular Change

Pancreas

Acinus

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Atrophy, Nos

Stomach

Anterior Pituitary

Cyst, Nos

Thyroid

Fundal Gland

Hyperplasia, Focal

Unspecified

Axilla

Dilatation, Nos

Hyperplasia, C Cell

Lipoma

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_092

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Heart  
Intestine Small  
Kidney  
Liver

Cortex Nos

Myocardium Nos

Mesentery Nos

Pancreas  
Pituitary gland

Acinus

Anterior Pituitary

Anterior Pituitary

Thyroid

Angiectasis  
Hyperplasia, Reticulum Cell  
Degeneration, Nos  
Necrosis, Fat  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal  
Atrophy, Nos  
Adenoma, Nos  
Cyst, Nos  
C-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_093

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		C-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_094

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Fibroadenoma

Stomach

Fundal Gland

Hyperplasia, Cystic

Thyroid

Adenoma, Nos

Dilatation, Nos

Hyperplasia, C Cell

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PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_095

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Perivascular Cuffing

Thyroid

Adenoma, Nos

Uterus

C-Cell Adenoma

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 1\_096

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
	Forestomach	Hyperplasia, Epithelial
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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_097

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney  
Liver

Cortex Nos  
Myocardium Nos

Angiectasis  
Degeneration, Nos  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal  
Metamorphosis, Fatty  
Adenoma, Nos  
Fibroadenoma  
Hyperplasia, Cystic  
Adenoma, Nos  
Hemosiderosis  
Hyperplasia, C Cell

Mammary gland

Pituitary gland  
Spleen  
Thyroid

Anterior Pituitary

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_098

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Calcification, Nos

Liver

Nephropathy

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Anterior Pituitary

Adenoma, Nos

Thyroid

Cyst, Nos

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 1\_099

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Thyroid

Anterior Pituitary

Hyperplasia, Cystic

Unspecified

Multiple Organs Nos

Adenoma, Nos

Cyst, Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 1\_100

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Medulla

Pheochromocytoma

Eye

Lens, Cortex

Calcification, Nos

Retina

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Perivascular Cuffing

Pancreas

Acinus

Atrophy, Nos

Thyroid

C-Cell Adenoma

Uterus

Endometrium

Hyperplasia, C Cell

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Inflammation, Chronic Focal

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Stomach

Forestomach

Hyperplasia, Epithelial

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Clitoral gland

Cyst, Multiple

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Trachea

Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hyperplasia, Focal

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Spleen

Cyst, Nos

Thyroid

Hemosiderosis

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Liver

Metamorphosis, Fatty

Pituitary gland

Anterior Pituitary

Cyst, Nos

Stomach

Forestomach

Hyperplasia, Epithelial

Unspecified

Forestomach

Ulcer, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
		Cortical Carcinoma
	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Hematoma, Organized
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos

Angiectasis  
Degeneration, Nos  
Calcification, Focal  
Nephropathy  
Focal Cellular Change  
Hernia, Nos  
Inflammation, Chronic Focal

Liver

Hyperplasia, Lymphoid  
Adenocarcinoma, Nos  
Fibroadenoma  
Hyperplasia, Cystic

Lymph node  
Mammary gland

Adenoma, Nos  
Dilatation, Nos  
Hyperplasia, C Cell

Pituitary gland  
Stomach  
Thyroid

Anterior Pituitary  
Fundal Gland

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Pancreas

Bile Duct

Focal Cellular Change

Pituitary gland

Acinus

Hyperplasia, Nos

Stomach

Anterior Pituitary

Atrophy, Nos

Thyroid

Forestomach

Adenoma, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Epithelial

Uterus

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Cortex Nos

Hyperplasia, Focal

Brain

Cerebellum Nos

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Perivascular Cuffing

Liver

Degeneration, Nos

Mammary gland

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Urinary bladder

Anterior Pituitary

Cyst, Nos

Uterus

Hyperplasia, Focal

Inflammation, Chronic Focal

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Liver

Myocardium Nos

Degeneration, Nos

Mammary gland

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Unspecified

Multiple Organs Nos

Adenoma, Nos

Cyst, Nos

Hyperplasia, Focal

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Calcification, Focal

Pituitary gland

Anterior Pituitary

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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Calcification, Focal
	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Lipoma

Liver

Nephropathy

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Pancreas

Acinus

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Atrophy, Nos

Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Eye

Cortex Nos

Hyperplasia, Focal

Heart

Retina

Atrophy, Nos

Kidney

Lens, Cortex

Calcification, Nos

Liver

Myocardium Nos

Degeneration, Nos

Lung

Nephropathy

Mammary gland

Focal Cellular Change

Ovary

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Perivascular Cuffing

Hyperplasia, Cystic

Cyst, Parovarian

Adenoma, Nos

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C55641  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Phenylephrine hydrochloride  
**CAS Number:** 61-76-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:16:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 620 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Fundal Gland	Dilatation, Nos
	Forestomach	Hyperplasia, Epithelial
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Lung

Perivascular Cuffing

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Spleen

Hemosiderosis

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Petechia

Brain

Cerebellum Nos

Meningioma

Lung

Congestion, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Spleen

Hemosiderosis

Stomach

Forestomach

Inflammation, Acute

Forestomach

Necrosis, Nos

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Liver

Cortex Nos  
Myocardium Nos

Degeneration, Lipoid  
Degeneration, Nos  
Metamorphosis, Fatty  
Necrosis, Nos

Lung  
Pituitary gland  
Unspecified  
Uterus

Anterior Pituitary  
Multiple Organs Nos

Inflammation, Acute  
Cyst, Nos  
Leukemia, Mononuclear Cell  
Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Focal Cellular Change

Pancreas

Islets

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Stomach

Fundal Gland

Adenoma, Nos

Thyroid

Forestomach

Dilatation, Nos

Unspecified

Hyperplasia, Epithelial

Hyperplasia, C Cell

Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Hernia, Nos

Inflammation, Chronic Focal

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Clitoral gland

Inflammation, Suppurative

Heart

Myocardium Nos

Degeneration, Nos

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Mammary gland

Fibroadenoma

Pancreas

Acinus

Atrophy, Nos

Stomach

Fundal Gland

Dilatation, Nos

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Lung

Inflammation, Chronic Focal

Mammary gland

Fibroadenoma

Fibrosis

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Anterior Pituitary

Cyst, Nos

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye	Cornea	Inflammation, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Heart  
Kidney  
Liver

Medulla

Myocardium Nos

Pheochromocytoma, Malignant  
Hyperplasia, Nos  
Degeneration, Nos  
Nephropathy  
Focal Cellular Change  
Inflammation, Chronic Focal  
Pheochromocytoma, Metastatic  
Fibroadenoma  
Hyperplasia, Cystic  
Hyperplasia, C Cell

Lung  
Mammary gland

Thyroid

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Medulla

Pheochromocytoma

Kidney

Myocardium Nos

Degeneration, Nos

Calcification, Focal

Nephropathy

Liver

Focal Cellular Change

Lung

Perivascular Cuffing

Pituitary gland

Anterior Pituitary

Cyst, Nos

Spleen

Hemosiderosis

Thyroid

C-Cell Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Phenylephrine hydrochloride  
**CAS Number:** 61-76-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:16:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 620 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Carcinoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Medulla

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Perivascular Cuffing

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Spleen

Hemosiderosis

Stomach

Fundal Gland

Dilatation, Nos

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Hyperplasia, Reticulum Cell

Kidney

Degeneration, Nos

Calcification, Focal

Liver

Nephropathy

Focal Cellular Change

Ovary

Hernia, Nos

Inflammation, Chronic Focal

Uterus

Cyst, Parovarian

Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Hernia, Nos

Inflammation, Chronic Focal

Ovary

Cyst, Parovarian

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Cyst, Nos

Uterus

Hyperplasia, C Cell

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	Pigmentation, Nos
Stomach	Forestomach	Inflammation, Acute
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Uterus

Anterior Pituitary

Cyst, Nos

Hyperplasia, Focal

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Liver

Cortex Nos

Angiectasis  
Focal Cellular Change  
Inflammation, Chronic Focal

Lung  
Pituitary gland

Anterior Pituitary

Perivascular Cuffing

Spleen

Cyst, Nos

Stomach

Fundal Gland

Hemosiderosis

Thyroid

Dilatation, Nos

Uterus

Hyperplasia, C Cell

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Ovary

Inflammation, Chronic Focal

Pituitary gland

Cyst, Parovarian

Unspecified

Anterior Pituitary

Cyst, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Metamorphosis, Fatty

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Forestomach

Hyperplasia, Epithelial

Thymus

Hemorrhage

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Phenylephrine hydrochloride  
**CAS Number:** 61-76-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:16:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2  
**DOSE:** 620 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Degeneration, Lipoid Hyperplasia, Nos
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Focal Nephropathy
Liver		Focal Cellular Change Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pancreas	Acinus	Atrophy, Nos
Parathyroid gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Necrosis, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Edema, Nos
Mammary gland		Adenocarcinoma, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Anterior Pituitary

Hyperplasia, Focal

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Intestine Small

Liver

Mammary gland

Pituitary gland

Thyroid

Unspecified

Urinary bladder

Cortex Nos

Mesentery Nos

Anterior Pituitary

Anterior Pituitary

Anterior Pituitary

Multiple Organs Nos

Petechia

Necrosis, Fat

Focal Cellular Change

Fibroadenoma

Adenoma, Nos

Cyst, Nos

Pigmentation, Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

Edema, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hyperplasia, Focal

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Liver

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Thyroid

Adenoma, Nos

C-Cell Adenoma

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Lung

Focal Cellular Change

Mammary gland

Inflammation, Chronic Focal

Pituitary gland

Alveolar Macrophages

Stomach

Anterior Pituitary

Fibroadenoma

Thyroid

Forestomach

Adenoma, Nos

Hyperplasia, Epithelial

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Liver

Myocardium Nos

Degeneration, Nos

Mammary gland

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Hernia, Nos

Fibroadenoma

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Degeneration, Nos

Lung

Focal Cellular Change

Mammary gland

Inflammation, Chronic Focal

Ovary

Perivascular Cuffing

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Thyroid

Cyst, Parovarian

Adenoma, Nos

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55641  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Phenylephrine hydrochloride  
**CAS Number:** 61-76-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:16:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 620 PPM

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Focal
		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thyroid		C-Cell Adenoma
Unspecified		Fibrosarcoma

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Necrosis, Nos

Heart

Myocardium Nos

Degeneration, Nos

Liver

Bile Duct

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Eye	Lens, Cortex	Degeneration, Nos
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Cyst, Nos
Kidney		Calcification, Focal
		Nephropathy
Liver		Degeneration, Nos
		Focal Cellular Change
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Bone marrow		Hyperplasia, Reticulum Cell
Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		C-Cell Adenoma
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lung		Congestion, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hemosiderosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Hyperplasia, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 620 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Nos

Medulla

Pheochromocytoma

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Lymph node

Plasmacytosis

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_101

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Calcification, Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Degeneration, Nos
		Focal Cellular Change
		Hernia, Nos
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Spleen		Hemosiderosis
Stomach	Fundal Gland	Dilatation, Nos
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_102

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Clitoral gland		Inflammation, Suppurative
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
		Neoplastic Nodule
Lymph node		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_103

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_104

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Degeneration, Hyaline Nephropathy
Liver		Focal Cellular Change
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Skin	Lip Nos	Papilloma, Nos
Spleen		Hemosiderosis
Unspecified		Fibrous Histiocytoma, Malignant
	Multiple Organs Nos	Fibrous Histiocytoma, Metastatic
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_105

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Thymus

Thymoma, Benign

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_106

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Medulla

Hyperplasia, Nos

Brain

Cerebrum

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Inflammation, Chronic Focal

Pancreas

Acinus

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Atrophy, Nos

Thyroid

Cyst, Nos

Uterus

C-Cell Adenoma

Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_107

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
Lymph node		Hyperplasia, Lymphoid
		Plasmacytosis
Ovary		Cyst, Parovarian
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		C-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_108

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Bile Duct

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Thyroid

Anterior Pituitary

Fibroadenoma

Hyperplasia, Cystic

Adenoma, Nos

Cyst, Nos

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_109

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Spleen		Hemosiderosis
Stomach	Fundal Gland	Dilatation, Nos
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_110

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Calcification, Focal

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic Focal

Mammary gland

Alveolar/Bronchiolar Adenoma

Pituitary gland

Hyperplasia, Cystic

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Stomach

Fundal Gland

Dilatation, Nos

Urinary bladder

Inflammation, Chronic Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_111

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Heart	Myocardium Nos	Degeneration, Nos
Liver		Focal Cellular Change
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Spleen		Hemosiderosis
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_112

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Degeneration, Lipoid Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Focal Nephropathy
Liver		Focal Cellular Change Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos
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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_113

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
Brain		Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Stomach	Fundal Gland	Dilatation, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_114

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Focal
		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Lymph node		Inflammation, Acute
Ovary		Cyst, Parovarian
Pancreas	Acinus	Atrophy, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_115

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Bile Duct

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Cystic

Cyst, Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_116

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Fundal Gland

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_117

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Cortical Adenoma

Kidney

Myocardium Nos

Hyperplasia, Focal

Liver

Degeneration, Nos

Calcification, Focal

Nephropathy

Pituitary gland

Bile Duct

Focal Cellular Change

Hyperplasia, Nos

Inflammation, Chronic Focal

Stomach

Anterior Pituitary

Cyst, Nos

Thyroid

Anterior Pituitary

Hyperplasia, Focal

Fundal Gland

Dilatation, Nos

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_118

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Calcification, Focal

Liver

Focal Cellular Change

Inflammation, Chronic Focal

Lung

Inflammation, Chronic Focal

Mammary gland

Hyperplasia, Cystic

Ovary

Cyst, Parovarian

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Stomach

Anterior Pituitary

Hyperplasia, Focal

Fundal Gland

Dilatation, Nos

Uterus

Forestomach

Hyperplasia, Epithelial

Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_119

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
	Islets	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_120

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Blood vessel

Cortex Nos

Hyperplasia, Focal

Heart

Pulmonary Artery Nos

Calcification, Focal

Intestine Small

Myocardium Nos

Degeneration, Nos

Kidney

Mesentery Nos

Necrosis, Fat

Liver

Nephropathy

Ovary

Bile Duct

Focal Cellular Change

Pancreas

Acinus

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Metamorphosis, Fatty

Thyroid

Cyst, Parovarian

Atrophy, Nos

Adenoma, Nos

C-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_121

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Heart  
Kidney  
Liver

Cortex Nos

Angiectasis  
Hyperplasia, Reticulum Cell  
Degeneration, Nos  
Nephropathy  
Focal Cellular Change

Lung  
Pituitary gland

Bile Duct

Hyperplasia, Nos  
Inflammation, Chronic Focal

Thyroid

Anterior Pituitary

Cyst, Hemorrhagic

Anterior Pituitary

Cyst, Nos

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Phenylephrine hydrochloride  
**CAS Number:** 61-76-7

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:16:24  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_122

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

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
		Metamorphosis, Fatty
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
	Forestomach	Hyperplasia, Epithelial
Thyroid		C-Cell Adenoma
Uterus		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_123

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Brain

Cortex Nos

Degeneration, Lipoid

Heart

Myocardium Nos

Carcinoma, Nos, Invasive

Liver

Degeneration, Nos

Mammary gland

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Uterus

Anterior Pituitary

Fibroadenoma

Carcinoma, Nos

Cyst, Nos

Hematoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_124

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Pituitary gland	Anterior Pituitary	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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_125

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Cortex Nos

Calcification, Nos  
Nephropathy  
Focal Cellular Change

Mammary gland  
Pancreas  
Pituitary gland  
Thyroid  
Unspecified

Bile Duct

Hyperplasia, Nos  
Hyperplasia, Cystic

Acinus

Atrophy, Nos

Anterior Pituitary

Adenoma, Nos

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_126

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Metamorphosis, Fatty

Adenocarcinoma, Nos

Fibroadenoma

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Unspecified

Multiple Organs Nos

Adenoma, Nos

Uterus

Leukemia, Mononuclear Cell

Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_127

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Thyroid

Adenoma, Nos

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_128

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Carcinoma
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Angiectasis
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:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_129

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Calcification, Focal

Liver

Nephropathy

Focal Cellular Change

Uterus

Inflammation, Chronic Focal

Dilatation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_130

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Medulla

Pheochromocytoma

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Hernia, Nos

Pancreas

Acinus

Alveolar Macrophages

Unspecified

Multiple Organs Nos

Atrophy, Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_131

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Brain

Cortex Nos

Hyperplasia, Focal

Cortex

Degeneration, Nos

Cortex Nos

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Intestine Large

Colon

Hyperplasia, Lymphoid

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Anterior Pituitary

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_132

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Lipoid

Liver

Bile Duct

Cirrhosis, Biliary

Hyperplasia, Nos

Neoplastic Nodule

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

---

**ANIMAL ID:** 3\_133

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
Brain		Hydrocephalus, Nos
Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Hemosiderosis
Kidney		Calcification, Focal
		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_134

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Focal Cellular Change

Urinary bladder

Metamorphosis, Fatty

Uterus

Inflammation, Chronic Focal

Endometrial Stromal Sarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_135

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Nos

Bone marrow

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Pancreas

Acinus

Inflammation, Chronic Focal

Thyroid

Atrophy, Nos

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_136

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Fundal Gland	Dilatation, Nos
Thyroid	Follicle	Dilatation, Nos
		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_137

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Lung

Focal Cellular Change

Pituitary gland

Perivascular Cuffing

Anterior Pituitary

Adenoma, Nos

Thyroid

Anterior Pituitary

Cyst, Nos

Uterus

C-Cell Adenoma

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_138

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Degeneration, Lipoid Pheochromocytoma
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Focal Nephropathy
Liver		Focal Cellular Change Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos
Uterus		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_139

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Bone marrow

Cortex Nos

Hyperplasia, Focal

Clitoral gland

Hyperplasia, Reticulum Cell

Heart

Myocardium Nos

Hyperplasia, Cystic

Intestine Small

Mesentery Nos

Degeneration, Nos

Kidney

Necrosis, Fat

Liver

Nephropathy

Lung

Focal Cellular Change

Mammary gland

Inflammation, Chronic Focal

Ovary

Fibroadenoma

Stomach

Fundal Gland

Cyst, Parovarian

Thyroid

Dilatation, Nos

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_140

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Bone marrow		Hyperplasia, Reticulum Cell
Brain	Cortex	Degeneration, Nos
	Cortex Nos	Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Calcification, Focal
		Nephropathy
Liver		Focal Cellular Change
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_141

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Clitoral gland

Carcinoma, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal  
Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_142

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Degeneration, Lipoid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
Lung		C-Cell Carcinoma, Metastatic
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_143

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Angiectasis

Pituitary gland

Anterior Pituitary

Focal Cellular Change

Inflammation, Chronic Focal

Stomach

Anterior Pituitary

Adenoma, Nos

Cyst, Nos

Fundal Gland

Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_144

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Hyperplasia, Focal
Bone marrow		Hyperplasia, Reticulum Cell
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver		Focal Cellular Change Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary Anterior Pituitary	Cyst, Nos Hyperplasia, Focal
Stomach	Fundal Gland	Dilatation, Nos
Uterus		Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_145

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdomen	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_146

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Cortex Nos

Degeneration, Lipoid

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Calcification, Focal

Nephropathy

Liver

Focal Cellular Change

Mammary gland

Fibroadenoma

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Forestomach

Cyst, Nos

Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_147

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Focal Cellular Change

Lung

Inflammation, Chronic Focal

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Anterior Pituitary

Hyperplasia, Focal

Unspecified

Hyperplasia, C Cell

Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

**ANIMAL ID:** 3\_148

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Medulla

Pheochromocytoma

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Bile Duct

Focal Cellular Change

Pancreas

Acinus

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Fibroadenoma

Stomach

Anterior Pituitary

Atrophy, Nos

Thyroid

Forestomach

Cyst, Nos

Hyperplasia, Focal

Hyperplasia, Epithelial

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C55641

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Phenylephrine hydrochloride

CAS Number: 61-76-7

Date Report Requested: 10/26/2014

Time Report Requested: 14:16:24

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_149

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Stomach	Fundal Gland	Dilatation, Nos
	Forestomach	Hyperplasia, Epithelial
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55641

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phenylephrine hydrochloride

**CAS Number:** 61-76-7

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

**Time Report Requested:** 14:16:24

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

**Lab:** NA

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**ANIMAL ID:** 3\_150

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Lung

Bile Duct

Focal Cellular Change

Mammary gland

Hyperplasia, Nos

Pancreas

Acinus

Inflammation, Chronic Focal

Thyroid

Hyperplasia, Cystic

Unspecified

Multiple Organs Nos

Atrophy, Nos

Hyperplasia, C Cell

Perivasculitis

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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