

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

C Number: C54717

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Brain	Hemisphere Nos	Astrocytoma
Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Sole Of Foot	Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver	Centrilobular	Atrophy, Nos
		Deformity, Nos
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Cystic Disease
Pituitary gland		Hyperplasia, Focal
Preputial gland		Inflammation, Chronic
Prostate		Inflammation, Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Testis

Bile Duct

Nephrosis, Nos

Congestion, Nos

Hyperplasia, Nos

Aspiration, Foreign Body

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Medulla

Cytoplasmic Vacuolization
Hyperplasia, Nos
Thrombosis, Nos

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Metamorphosis, Fatty

Lymph node

Mesenteric Lymph Node

Inflammation, Granulomatous Focal

Pancreas

Angiectasis

Pituitary gland

Degeneration, Cystic

Prostate

Angiectasis

Testis

Hyperplasia, Focal

Unspecified

Inflammation, Suppurative

Hyperplasia, Interstitial Cell

Sole Of Foot

Callus

Mediastinum Nos

Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Mammary gland

Skin

Testis

Thyroid

Unspecified

Bile Duct

Abdomen

Groin

Pheochromocytoma

Cataract

Retinopathy

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Fibroadenoma

Basal-Cell Tumor

Interstitial-Cell Tumor

C-Cell Carcinoma

Inflammation, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Retinopathy

Liver

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Lymph node

Mesenteric Lymph Node

Regeneration, Nos

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Bile Duct

Mammary gland

Pancreas

Pituitary gland

Testis

Pheochromocytoma

Cataract

Retinopathy

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hepatocellular Carcinoma

Hyperplasia, Nos

Cystic Disease

Acinar-Cell Adenoma

Atrophy, Focal

Adenoma, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Hyperplasia, Focal
Skin	Perineum	Inflammation, Chronic Focal
	Lip Nos	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lung		Aspiration, Foreign Body
Pancreas	Acinus	Atrophy, Focal
		Degeneration, Cystic
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Mammary gland

Pancreas

Testis

Bile Duct

Pheochromocytoma

Cataract

Retinopathy

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Atrophy, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Medulla

Focal Cellular Change
Cataract
Retinopathy

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Leukocytosis, Nos

Prostate

Cystic Disease

Testis

Inflammation, Suppurative

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Gliosis
Eye		Cataract
		Retinopathy
Liver		Cirrhosis, Nos
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Regeneration, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Stomach	Submucosa	Edema, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Cortex Nos

Cytoplasmic Vacuolization
Cataract
Retinopathy

Kidney
Liver

Nephrosis, Nos
Cytoplasmic Vacuolization
Leukocytosis, Nos

Lung
Mammary gland
Pituitary gland

Abscess, Chronic
Cystic Disease
Hyperplasia, Focal

Testis
Tongue

Atrophy, Nos
Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Medulla

Hyperplasia, Focal
Cataract
Retinopathy

Kidney
Pituitary gland

Nephrosis, Nos
Angiectasis

Prostate
Spleen
Testis

Hyperplasia, Focal
Inflammation, Suppurative
Hematopoiesis
Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor
Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Allyl isovalerate
CAS Number: 2835-39-4

Date Report Requested: 10/26/2014
Time Report Requested: 11:59:32
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Kidney
Liver

Mammary gland
Pituitary gland
Preputial gland

Prostate
Testis
Thyroid

Bile Duct

Pheochromocytoma
Cataract
Retinopathy
Nephrosis, Nos
Cytoplasmic Change, Basophilic
Cytoplasmic Vacuolization
Hyperplasia, Nos
Cystic Disease
Adenoma, Nos
Adenoma, Nos
Inflammation, Suppurative
Inflammation, Suppurative
Hyperplasia, Interstitial Cell
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Retinopathy

Liver

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Pancreas

Acinar-Cell Adenoma

Atrophy, Focal

Preputial gland

Squamous Cell Carcinoma

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Retinopathy

Liver

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Preputial gland

Cystic Ducts

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Intestine Small	Mesentery Nos	Hyperplasia, Mesothelial
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Leukocytosis, Nos
		Neoplastic Nodule
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Trunk	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Pancreas

Skin

Testis

Unspecified

Bile Duct

Face

Multiple Organs Nos

Sole Of Foot

Pheochromocytoma

Cataract

Retinopathy

Nephrosis, Nos

Cirrhosis, Nos

Hyperplasia, Nos

Regeneration, Nodular

Atrophy, Focal

Cyst, Epidermal Inclusion

Interstitial-Cell Tumor

Leukemia, Monocytic

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Liver		Congestion, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Edema, Interstitial
Stomach	Mucosa	Ulcer, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Retinopathy

Liver

Nephrosis, Nos

Cytoplasmic Vacuolization

Bile Duct

Fibrosis, Cholangio

Mammary gland

Hyperplasia, Nos

Testis

Cystic Disease

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Intestine Small

Ileum

Retinopathy

Kidney

Diverticulum

Liver

Nephrosis, Nos

Mammary gland

Bile Duct

Cytoplasmic Vacuolization

Prostate

Hyperplasia, Nos

Testis

Cystic Disease

Inflammation, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Fibrosis, Cholangio
		Hyperplasia, Nos
		Pigmentation, Nos
Mammary gland		Cystic Disease
		Fibroadenoma
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Sole Of Foot	Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Foreign Body, Nos

Mesentery Nos

Hemorrhage

Liver

Bile Duct

Hyperplasia, Nos

Prostate

Inflammation, Suppurative

Unspecified

Thoracic Cavity Nos

Foreign Body, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Retinopathy
Liver		Necrosis, Focal
Lung		Leukocytosis, Nos
Pancreas	Acinus	Atrophy, Focal
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Testis

Thyroid

Bile Duct

Alveoli

Pheochromocytoma

Metamorphosis, Fatty

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Histiocytosis

Cystic Disease

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Epididymis
Kidney

Pheochromocytoma
Inflammation, Chronic Suppurative
Inflammation, Suppurative

Liver

Bile Duct

Nephrosis, Nos
Cirrhosis, Nos
Hyperplasia, Nos
Metamorphosis, Fatty
Regeneration, Nodular

Lung

Adenocarcinoma/Squamous Metaplasia
Inflammation, Chronic Suppurative

Mammary gland

Cystic Disease

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Suppurative

Stomach

Hyperplasia, Epithelial

Testis

Mucosa

Inflammation, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Pheochromocytoma

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Deformity, Nos

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Regeneration, Nodular

Prostate

Fibrosis, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Neck

Fibroadenoma

Neck

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Liver	Bile Duct Centrilobular	Hyperplasia, Nos Necrosis, Nos
Lung		Aspiration, Foreign Body
Prostate		Inflammation, Suppurative
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Embolus, Foreign Body

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
	Cortex Nos	Cytoplasmic Vacuolization
Bone marrow		Hypoplasia, Hematopoietic
Intestine Large	Colon	Inflammation, Hemorrhagic
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Congestion, Nos
		Hemorrhage
		Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Salivary gland	Parotid Gland Nos	Inflammation, Nos
Spleen		Atrophy, Nos
Stomach	Mucosa	Ulcer, Nos
Testis		Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephrosis, Nos

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Spleen

Infarct, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos Leukocytosis, Nos Necrosis, Focal
Lung		Leukocytosis, Nos
Mammary gland		Cystic Disease
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Stomach		Hyperplasia, Epithelial Leiomyosarcoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leiomyosarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Petechia
		Congestion, Nos
Mammary gland		Edema, Interstitial
Pituitary gland		Cystic Disease
Prostate		Adenoma, Nos
Stomach	Mucosa	Inflammation, Suppurative
		Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Mammary gland		Cystic Disease
Pancreas	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Pheochromocytoma
Nephrosis, Nos
Cytoplasmic Vacuolization
Fibrosis, Cholangio
Hyperplasia, Nos
Cystic Disease
Islet-Cell Adenoma
Squamous Cell Papilloma
Interstitial-Cell Tumor
Cystic Follicles

Bile Duct

Mammary gland
Pancreas
Skin
Testis
Thyroid

Islets

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver

Mesentery Nos

Necrosis, Fat
Nephrosis, Nos
Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland
Pancreas
Testis
Thyroid

Cystic Disease

Atrophy, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow
Intestine Small

Mesentery Nos
Mesentery Nos
Mesentery Nos

Hyperplasia, Hematopoietic
Granulation Tissue
Necrosis, Fat
Steatitis

Kidney
Liver

Bile Duct

Nephrosis, Nos
Hyperplasia, Nos
Leukocytosis, Nos

Lung
Pituitary gland
Testis

Leukocytosis, Nos
Hyperplasia, Focal
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Pituitary gland

Prostate

Testis

Bile Duct

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Hyperplasia, Focal

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Testis

Thyroid

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Histiocytosis

Hyperplasia, Alveolar Epithelium

Cystic Disease

Hyperplasia, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Allyl isovalerate
CAS Number: 2835-39-4

Date Report Requested: 10/26/2014
Time Report Requested: 11:59:32
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_041

TRT#: 1
DOSE: 062.0 MG/KG

SEX: Male
DISP: Accidentally Killed

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Nephrosis, Hydro
Liver	Bile Duct	Hyperplasia, Nos Necrosis, Focal Regeneration, Nodular
Lung		Synovial Sarcoma, Metastatic
Pituitary gland		Cytoplasmic Vacuolization
Skeletal muscle	Leg	Hemorrhage
Spleen		Hematopoiesis
Testis		Atrophy, Nos Interstitial-Cell Tumor
Thyroid		Degeneration, Cystic
Unspecified	Lower Leg Nos	Hemorrhage
	Lower Leg Nos	Inflammation, Suppurative
	Lower Leg Nos	Synovial Sarcoma
Urinary bladder		Inflammation, Hemorrhagic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Mammary gland

Skin

Testis

Bile Duct

Neck

Pheochromocytoma

Cataract

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Keratoacanthoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Bile Duct

Mammary gland
Pancreas
Prostate
Unspecified

Acinus

Abdomen

Multiple Organs Nos

Pheochromocytoma
Nephrosis, Nos
Cytoplasmic Vacuolization
Focal Cellular Change
Hyperplasia, Nos
Regeneration, Nodular
Cystic Disease
Hyperplasia, Focal
Inflammation, Suppurative
Fibroma
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Testis

Hemorrhage

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Prostate

Testis

Bile Duct

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Intestine Small

Kidney

Liver

Prostate

Spleen

Stomach

Testis

Urinary bladder

Mesentery Nos

Pelvis

Bile Duct

Mucosa

Angiectasis

Glioma, Nos

Granulation Tissue

Hyperplasia, Epithelial

Nephrosis, Nos

Cirrhosis, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Regeneration, Nodular

Inflammation, Suppurative

Fibrosis, Focal

Ulcer, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Lung

Pancreas

Testis

Unspecified

Lower Leg Nos

Pelvis

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Necrosis, Focal

Regeneration, Nodular

Leukocytosis, Nos

Atrophy, Focal

Interstitial-Cell Tumor

Fibrosarcoma

Granulation Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Pheochromocytoma

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Retinopathy

Liver

Nephropathy

Cirrhosis, Nos

Bile Duct

Hyperplasia, Nos

Regeneration, Nodular

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Suppurative

Stomach

Mucosa

Inflammation, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

Sole Of Foot

Ulcer, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 062.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Spleen

Testis

Thyroid

Unspecified

Bile Duct

Alveoli

Perineum

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Histiocytosis

Fibrosis

Metamorphosis, Fatty

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lung

Testis

Thyroid

Alveoli

Nephrosis, Nos

Histiocytosis

Hyperplasia, Alveolar Epithelium

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Mammary gland

Pancreas

Pituitary gland

Prostate

Testis

Thyroid

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Neoplastic Nodule

Cystic Disease

Acinar-Cell Adenoma

Hyperplasia, Focal

Inflammation, Suppurative

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Testis

Thyroid

Alveoli

Pheochromocytoma

Nephrosis, Nos

Histiocytosis

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Necrosis, Focal
Pancreas		Acinar-Cell Adenoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Lung

Alveoli

Mammary gland

Testis

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Histiocytosis

Cystic Disease

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Ear

Kidney

Liver

Mammary gland

Testis

External Ear

Metamorphosis, Fatty

Neurilemoma

Nephrosis, Nos

Hepatocellular Carcinoma

Cystic Disease

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Skin

Testis

Bile Duct

Head Nos

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Squamous Cell Carcinoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Lung

Aspiration, Foreign Body

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

DOSE: 031.0 MG/KG

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Pituitary gland

Testis

Nephrosis, Nos

Cytoplasmic Vacuolization

Cystic Disease

Adenoma, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver
Mammary gland
Pituitary gland
Preputial gland
Skin
Testis

Mesentery Nos

Bile Duct

Chest

Liposarcoma
Nephrosis, Nos
Hyperplasia, Nos
Cystic Disease
Acidophil Adenoma
Adenoma, Nos
Ulcer, Nos
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Focal Cellular Change
Nephrosis, Nos
Cytoplasmic Vacuolization

Testis

Bile Duct

Hyperplasia, Nos
Interstitial-Cell Tumor

Unspecified

Groin

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Ear

Kidney

Liver

Mammary gland

Pituitary gland

Testis

Thyroid

External Ear

Bile Duct

Pheochromocytoma

Ulcer, Perforated

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Hyperplasia, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis, Focal

Lung

Aspiration, Foreign Body

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Testis

Centrilobular

Nephrosis, Nos

Necrosis, Nos

Aspiration, Foreign Body

Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Aspiration, Foreign Body
		Congestion, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

DOSE: 031.0 MG/KG

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Prostate

Testis

Nephrosis, Nos

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Fibroadenoma

Preputial gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney
Liver
Mammary gland
Pancreas
Testis
Thyroid

Mesentery Nos

Pheochromocytoma
Necrosis, Fat
Nephrosis, Nos
Cytoplasmic Vacuolization
Cystic Disease
Atrophy, Focal
Interstitial-Cell Tumor
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization Pheochromocytoma
Kidney		Nephrosis, Nos
Liver	Centrilobular Bile Duct	Atrophy, Nos Hyperplasia, Nos Regeneration, Nodular
Mammary gland		Cystic Disease
Pituitary gland		Cyst, Embryonal Duct
Spleen		Hematoma, Nos Infarct, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Skin

Testis

Thyroid

Unspecified

Myocardium Nos

Bile Duct

Back

Groin

Pheochromocytoma

Fibrosis, Focal

Nephrosis, Nos

Hyperplasia, Nos

Cytoplasmic Vacuolization

Keratoacanthoma

Interstitial-Cell Tumor

Cystic Follicles

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Hyperplasia, Adenomatous
Mammary gland		Cystic Disease
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Pheochromocytoma

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Lung

Bile Duct

Hyperplasia, Nos

Preputial gland

Alveoli

Histiocytosis

Hyperplasia, Alveolar Epithelium

Prostate

Carcinoma, Nos

Testis

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis, Focal

Liver

Embolus, Foreign Body

Bile Duct

Hyperplasia, Nos

Centrilobular

Necrosis, Nos

Lung

Pneumonia, Aspiration

Mammary gland

Cystic Disease

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney

Mesentery Nos

Pheochromocytoma
Necrosis, Fat
Cyst, Nos
Nephrosis, Nos
Cytoplasmic Vacuolization

Liver

Bile Duct

Hyperplasia, Focal
Cystic Disease
Hyperplasia, Focal
Hyperplasia, Focal
Interstitial-Cell Tumor
Hyperplasia, Lymphoid

Mammary gland

Pancreas

Acinus

Pituitary gland

Testis

Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

DOSE: 031.0 MG/KG

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephrosis, Nos

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Pancreas

Testis

Bile Duct

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Atrophy, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Testis

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Small
Kidney
Preputial gland

Testis

Myocardium Nos
Mesentery Nos

Pheochromocytoma
Inflammation, Chronic Focal
Necrosis, Fat
Nephrosis, Nos
Adenoma, Nos
Inflammation, Suppurative
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Centrilobular

Congestion, Nos

Embolus, Foreign Body

Bile Duct

Hyperplasia, Nos

Lung

Congestion, Nos

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver
Mammary gland
Seminal vesicle

Bile Duct

Hyperplasia, Nos
Cystic Disease
Hyperplasia, Epithelial
Inflammation, Suppurative
Interstitial-Cell Tumor
C-Cell Adenoma

Testis
Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos Regeneration, Nodular
Lung		Congestion, Nos
Testis		Atrophy, Nos
Unspecified	Axilla	Interstitial-Cell Tumor Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Mammary gland		Cystic Disease
Prostate		Inflammation, Suppurative
Seminal vesicle		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver	Portal Tract	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Inflammation, Granulomatous Focal
Preputial gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephrosis, Nos

Lung

Alveolar/Bronchiolar Carcinoma

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Bile Duct

Lung

Mammary gland

Pituitary gland

Stomach

Testis

Nephrosis, Nos

Cirrhosis, Nos

Congestion, Nos

Hyperplasia, Nos

Regeneration, Nodular

Congestion, Nos

Edema, Nos

Cystic Disease

Angiectasis

Hyperplasia, Epithelial

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel

Mesenteric Artery Nos

Hypertrophy, Nos

Liver

Necrosis, Focal

Lung

Congestion, Nos

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney

Mesentery Nos

Necrosis, Fat
Inflammation, Suppurative
Nephrosis, Nos

Mammary gland
Pituitary gland
Prostate
Stomach
Testis

Mucosa

Cystic Disease
Adenoma, Nos
Inflammation, Suppurative
Ulcer, Perforated
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Focal
Nephrosis, Nos
Cytoplasmic Vacuolization

Mammary gland
Pancreas

Bile Duct

Hyperplasia, Nos
Cystic Disease
Atrophy, Focal
Fibrosis, Focal
Interstitial-Cell Tumor
C-Cell Adenoma

Testis
Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Fibrosis, Focal

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Preputial gland

Hyperplasia, Epithelial

Prostate

Inflammation, Suppurative

Testis

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Fibrosarcoma, Invasive
	Mesentery Nos	Necrosis, Fat
Mammary gland		Cystic Ducts
Nasal cavity	Nose Nos	Acanthosis
	Nose Nos	Hyperkeratosis
Stomach		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Wall Nos	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Acinar-Cell Adenoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Bile Duct

Lung

Testis

Nephrosis, Nos

Degeneration, Cystic

Hyperplasia, Nos

Regeneration, Nos

Aspiration, Foreign Body

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Intestine Small

Kidney

Liver

Mammary gland

Pancreas

Testis

Mesentery Nos

Bile Duct

Pheochromocytoma

Necrosis, Fat

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

Atrophy, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Pheochromocytoma
Inflammation, Suppurative
Nephrosis, Nos

Mammary gland

Cystic Disease

Pancreas

Acinus

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

Unspecified

Tail

Cyst, Nos

Back

Edema, Nos

Lower Leg Nos

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
		Regeneration, Nodular
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland		Cystic Disease
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
Lung		Aspiration, Foreign Body

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow

Cortex Nos

Cytoplasmic Vacuolization
Atrophy, Exhaustion
Fibrosis, Myelo

Intestine Small
Liver

Mesentery Nos

Necrosis, Fat
Cirrhosis, Nos
Hyperplasia, Nos
Metamorphosis, Fatty
Regeneration, Nodular

Lung
Mammary gland
Prostate
Testis

Bile Duct

Thrombosis, Nos
Cystic Disease
Inflammation, Suppurative
Atrophy, Nos
Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 031.0 MG/KG

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Mammary gland

Pituitary gland

Prostate

Testis

Unspecified

Groin

Pheochromocytoma

Nephrosis, Nos

Degeneration, Cystic

Hyperplasia, Nos

Cystic Disease

Cyst, Multilocular

Inflammation, Suppurative

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Liver

Bile Duct

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney
Liver
Lung
Mammary gland
Pituitary gland
Spleen
Testis
Thyroid

Mesentery Nos

Bile Duct

Pheochromocytoma
Necrosis, Fat
Nephrosis, Nos
Hyperplasia, Nos
Leukocytosis, Nos
Cystic Disease
Adenoma, Nos
Degeneration, Cystic
Interstitial-Cell Tumor
C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney
Liver

Mesentery Nos

Bile Duct

Lung
Mammary gland
Prostate
Testis
Thyroid

Pheochromocytoma
Necrosis, Fat
Nephrosis, Nos
Cytoplasmic Change, Basophilic
Cytoplasmic Vacuolization
Hyperplasia, Nos
Hyperplasia, Alveolar Epithelium
Cystic Disease
Inflammation, Suppurative
Interstitial-Cell Tumor
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
		Deformity, Nos
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Mammary gland

Testis

Thyroid

Unspecified

Medulla

Fibrosis, Focal

Nephrosis, Nos

Cystic Disease

Fibroadenoma

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Centrilobular

Mammary gland

Pancreas

Prostate

Testis

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Metamorphosis, Fatty

Cystic Disease

Cystic Ducts

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Mammary gland		Cystic Disease
Spleen		Hemangiosarcoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Prostate

Testis

Thyroid

Bile Duct

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Inflammation, Suppurative

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Mammary gland

Prostate

Testis

Thyroid

Bile Duct

Pheochromocytoma

Cataract

Retinopathy

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Cystic Disease

Inflammation, Suppurative

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Spleen

Hemangiosarcoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Stomach	Omentum Nos	Necrosis, Fat
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Testis

Thyroid

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Cystic Disease

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Pancreas

Pituitary gland

Prostate

Testis

Bile Duct

Acinus

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Cystic Disease

Acinar-Cell Adenoma

Hyperplasia, Focal

Hyperplasia, Focal

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Pancreas

Pituitary gland

Prostate

Skin

Stomach

Testis

Thyroid

Bile Duct

Tail

Omentum Nos

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Atrophy, Focal

Adenoma, Nos

Inflammation, Suppurative

Squamous Cell Papilloma

Necrosis, Fat

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Testis

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Lung

Alveolar/Bronchiolar Carcinoma

Mammary gland

Cystic Disease

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Pancreas

Pituitary gland

Prostate

Testis

Thyroid

Myocardium Nos

Bile Duct

Alveoli

Islets

Pheochromocytoma

Fibrosis, Focal

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Hyperplasia, Adenomatous

Cystic Disease

Islet-Cell Adenoma

Degeneration, Cystic

Inflammation, Suppurative

Interstitial-Cell Tumor

Degeneration, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Heart

Kidney

Liver

Coronary Artery Nos

Myocardium Nos

Bile Duct

Pituitary gland

Prostate

Testis

Thyroid

Pheochromocytoma

Periarteritis

Fibrosis, Focal

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Hyperplasia, Nos

Adenoma, Nos

Inflammation, Suppurative

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis, Focal

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Testis

Thyroid

Unspecified

Bile Duct

Multiple Organs Nos

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

Interstitial-Cell Tumor

C-Cell Adenoma

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Mammary gland		Cystic Disease
Nasal cavity	Nose Nos	Inflammation, Suppurative
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver	Centrilobular	Congestion, Nos
		Embolus, Foreign Body
	Bile Duct	Hyperplasia, Nos
Lung		Aspiration, Foreign Body
Prostate		Inflammation, Suppurative
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Intestine Large

Kidney

Liver

Lung

Pituitary gland

Prostate

Skin

Testis

Colon

Bile Duct

Back

Pheochromocytoma

Diverticulum

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Alveolar/Bronchiolar Adenoma

Adenoma, Nos

Inflammation, Suppurative

Squamous Cell Carcinoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart		Mesothelioma, Malignant
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Focal
Kidney		Nephrosis, Nos
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Aspiration, Foreign Body
Mammary gland		Cystic Disease
Prostate		Inflammation, Suppurative
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Embolus, Foreign Body

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Epicardium	Edema, Nos
Lung		Inflammation, Suppurative
Unspecified	Mediastinum Nos	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Centrilobular

Atrophy, Nos

Bile Duct

Hyperplasia, Nos

Metamorphosis, Fatty

Mammary gland

Cystic Disease

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Unspecified

Leg

Fibroma

Neck

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Pituitary gland

Prostate

Spleen

Unspecified

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Hyperplasia, Focal

Inflammation, Suppurative

Hematopoiesis

Fibroma

Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Spleen

Testis

Bile Duct

Centrilobular

Pleura Nos

Nephrosis, Nos

Hyperplasia, Nos

Necrosis, Focal

Granuloma, Lipo

Hematopoiesis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver

Skin

Inflammation, Necrotizing

Sebaceous Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Bile Duct

Mammary gland

Prostate

Testis

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Vacuolization

Deformity, Nos

Hyperplasia, Nos

Cystic Disease

Inflammation, Suppurative

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
Prostate		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver	Centrilobular	Metamorphosis, Fatty
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Axilla	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Lung

Aspiration, Foreign Body

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus

Liver

Lung

Bile Duct

Inflammation, Chronic

Hyperplasia, Nos

Pneumonia, Chronic Murine

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Pons Nos	Atrophy, Pressure
	Pons Nos	Necrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Pheochromocytoma

Kidney

Pheochromocytoma, Malignant

Liver

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Lung

Alveoli

Pheochromocytoma, Invasive

Histiocytosis

Hyperplasia, Alveolar Epithelium

Peritoneum

Inflammation, Focal

Prostate

Hyperplasia, Epithelial

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Urinary bladder

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Pancreas

Pituitary gland

Prostate

Stomach

Bile Duct

Alveoli

Islets

Mucosa

Pheochromocytoma

Nephrosis, Nos

Hyperplasia, Nos

Histiocytosis

Cystic Disease

Islet-Cell Adenoma

Adenoma, Nos

Inflammation, Suppurative

Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Suppurative
Skin	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Pituitary gland

Prostate

Skin

Testis

Unspecified

Bile Duct

Shoulder

Chest

Cortical Adenoma

Nephrosis, Nos

Cytoplasmic Vacuolization

Hyperplasia, Nos

Cystic Disease

Adenoma, Nos

Inflammation, Suppurative

Basal-Cell Tumor

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Liver

Mammary gland

Pituitary gland

Testis

Thyroid

Mesentery Nos

Bile Duct

Mastocytosis

Hyperplasia, Nos

Cystic Disease

Fibroadenoma

Adenoma, Nos

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Pheochromocytoma

Intestine Small

Mesentery Nos

Thrombosis, Nos

Kidney

Necrosis, Fat

Liver

Nephrosis, Nos

Mammary gland

Bile Duct

Bile Duct Adenoma

Pituitary gland

Centrilobular

Hyperplasia, Nos

Prostate

Necrosis, Nos

Testis

Cystic Disease

Thyroid

Adenoma, Nos

Inflammation, Suppurative

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Cystic Disease
Pituitary gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Pancreas

Testis

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

Atrophy, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Allyl isovalerate
CAS Number: 2835-39-4

Date Report Requested: 10/26/2014
Time Report Requested: 11:59:32
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_049

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mesothelioma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54717

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Allyl isovalerate

CAS Number: 2835-39-4

Date Report Requested: 10/26/2014

Time Report Requested: 11:59:32

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Mammary gland

Pituitary gland

Testis

Thyroid

Bile Duct

Pheochromocytoma

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Cystic Disease

Angiectasis

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****