

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

C Number: C54740

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Eye

Retina

Kidney

Liver

Stomach

Pylorus

Forestomach

Forestomach

Thymus

Unspecified

Multiple Organs Nos

Pheochromocytoma

Hemorrhage

Degeneration, Nos

Retinopathy

Nephropathy

Angiectasis

Fibrosis, Cholangio

Erosion

Hyperplasia, Epithelial

Inflammation, Chronic

Persistent Embryonic Structure

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lymph node

Pituitary gland

Thymus

Mediastinal Lymph Node

Anterior Pituitary

Nephropathy

Fibrosis, Cholangio

Hemorrhage

Cyst, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Inflammation, Multifocal

Lung

Alveoli

Histiocytosis

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Heart

Kidney

Lymph node

Mammary gland

Thymus

Myocardium Nos

Mediastinal Lymph Node

Carcinoma, Nos

Fibrosis

Nephropathy

Hemorrhage

Fibrosis, Focal

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Calculus, Microscopic Examination
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Interstitial
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Fibrosis
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Sclera	Mineralization
Kidney		Nephropathy
Lung	Alveoli	Histiocytosis
Mammary gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Cataract

Liver

Degeneration, Nos

Pituitary gland

Inflammation, Multifocal

Stomach

Anterior Pituitary

Adenoma, Nos

Thymus

Forestomach

Inflammation, Chronic

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Fibrosis, Cholangio
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Necrosis, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Lymph node

Mandibular Lymph Node

Degeneration, Cystic

Pituitary gland

Anterior Pituitary

Angiectasis

Salivary gland

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Eye

Cataract

Retina

Degeneration, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Hemorrhage

Liver

Bile Duct

Fibrosis, Cholangio

Hyperplasia, Nos

Lung

Inflammation, Multifocal

Pituitary gland

Anterior Pituitary

Inflammation, Granulomatous

Thymus

Cyst, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Retina

Degeneration, Nos

Lung

Alveoli

Histiocytosis

Lymph node

Mediastinal Lymph Node

Hemorrhage

Pancreas

Acinus

Atrophy, Nos

Uterus

Endometrium

Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Eye

Cataract

Retina

Degeneration, Nos

Harderian gland

Harderian Gland

Lymphocytic Inflammatory Infiltrate

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Lung

Alveoli

Histiocytosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Hemosiderosis

Liver

Fibrosis, Cholangio

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Hemorrhage

Liver

Nephropathy

Mammary gland

Cytoplasmic Change, Nos

Pancreas

Galactocele

Pituitary gland

Acinus

Atrophy, Nos

Thymus

Anterior Pituitary

Hemosiderosis

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Fibrosis

Heart

Myocardium Nos

Fibrosis

Kidney

Hemorrhage

Nephropathy

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Interstitial

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Bone

Cartilage,Nos

Necrosis, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Ovary

Cyst, Parovarian

Pituitary gland

Anterior Pituitary

Angiectasis

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Bone	Cartilage,Nos	Necrosis, Nos
Heart	Myocardium Nos	Eosinophilic Leukocytic Infiltrate
	Myocardium Nos	Fibrosis
	Myocardium Nos	Inflammation, Granulomatous
Kidney		Hemorrhage
		Nephropathy
Liver	Bile Duct	Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Inflammation, Multifocal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Fibroadenoma
Thymus		Persistent Embryonic Structure
Thyroid		Cyst, Ultimobranchial
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Uterus

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Kidney

Liver

Lung

Lymph node

Thymus

Unspecified

Uterus

Pulmonary Artery Nos

Alveoli

Mediastinal Lymph Node

Groin

Cortical Adenoma

Mineralization

Nephropathy

Cytoplasmic Change, Ground-Glass

Histiocytosis

Hemorrhage

Persistent Embryonic Structure

Necrosis, Fat

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Fibrosis, Cholangio
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Calculus, Microscopic Examination

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Kidney		Nephropathy
Liver		Metamorphosis, Fatty
		Necrosis, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Thymus

Persistent Embryonic Structure

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Liver

Pituitary gland

Unspecified

Anterior Pituitary

Anterior Pituitary

Multiple Organs Nos

Lipoidosis

Phthisis Bulbi

Nephropathy

Fibrosis, Cholangio

Inflammation, Multifocal

Angiectasis

Focal Cellular Change

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow

Heart

Lung

Unspecified

Myocardium Nos

Abdominal Cavity

Histiocytosis

Fibrosis

Congestion, Nos

Edema, Nos

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Clitoral gland

Liver

Thymus

Carcinoma, Nos

Fibrosis, Cholangio

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Hemorrhage
Kidney	Tubule	Calculus, Microscopic Examination
Lung		Hemorrhage
Lymph node	Mediastinal Lymph Node	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Bone
Kidney

Pulmonary Artery Nos
Cartilage,Nos

Mineralization
Necrosis, Nos
Hemorrhage
Nephropathy
Fibrosis, Cholangio
Hyperplasia, Nos
Inflammation, Multifocal
Hemorrhage
Cyst, Nos

Liver

Bile Duct

Lymph node
Pituitary gland

Mediastinal Lymph Node
Anterior Pituitary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Inflammation, Granulomatous
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Nephropathy
Mammary gland	Fibroadenoma
Salivary gland	Calculus, Unknown Gross Or Micro
Thymus	Persistent Embryonic Structure
Thyroid	Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Lymphocytic Inflammatory Infiltrate
Lung		Congestion, Nos
		Edema, Nos
Thymus		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Fibrosis, Cholangio
		Hemorrhage
		Hepatocellular Carcinoma
Lung		Edema, Nos
		Hemorrhage
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Nos
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney
Liver

Pulmonary Artery Nos

Mineralization
Hemorrhage
Cytoplasmic Change, Nos
Inflammation, Multifocal

Ovary
Pituitary gland

Anterior Pituitary

Cyst, Parovarian
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Focal Cellular Change

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Sternum	Osteosclerosis
Kidney	Papilla	Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen	Capsule	Fibrosis
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Sclera	Mineralization
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Fibrosis, Cholangio
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Large
Lung

Colon

Parasitism
Congestion, Nos
Edema, Nos
Hemorrhage

Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye

Lung

Cataract

Congestion, Nos

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Heart

Kidney

Liver

Lung

Pituitary gland

Thymus

Unspecified

Retina

Myocardium Nos

Bile Duct

Anterior Pituitary

Multiple Organs Nos

Abscess, Nos

Cataract

Degeneration, Nos

Fibrosis

Hemorrhage

Nephropathy

Hyperplasia, Nos

Inflammation, Interstitial

Hemosiderosis

Persistent Embryonic Structure

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Brain

Stem

Displacement, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Calculus, Microscopic Examination

Hemorrhage

Hemosiderosis

Nephropathy

Liver

Inflammation, Multifocal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Abdominal Cavity

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Cytoplasmic Change, Ground-Glass Inflammation, Multifocal
Lung	Alveoli	Histiocytosis
Mammary gland		Fibroadenoma
Thymus		Persistent Embryonic Structure
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Kidney

Liver

Mammary gland

Uterus

Cartilage,Nos

Pheochromocytoma

Necrosis, Nos

Nephropathy

Fibrosis, Cholangio

Galactocele

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Degeneration, Nos

Liver

Inflammation, Chronic

Lung

Congestion, Nos

Pituitary gland

Anterior Pituitary

Hemorrhage

Thymus

Adenoma, Nos

Uterus

Persistent Embryonic Structure

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 600.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone marrow

Heart

Liver

Lung

Thymus

Unspecified

Myocardium Nos

Bile Duct

Centrilobular

Alveoli

Multiple Organs Nos

Lipoidosis

Atrophy, Nos

Fibrosis

Hyperplasia, Nos

Metamorphosis, Fatty

Hemosiderosis

Histiocytosis

Persistent Embryonic Structure

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Arteriosclerosis, Nos

Myocardium Nos

Fibrosis

Kidney

Hemorrhage

Nephropathy

Lung

Alveoli

Histiocytosis

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Cataract

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel
Intestine Large
Kidney
Liver

Pulmonary Artery Nos
Colon

Mineralization
Leiomyosarcoma
Nephrosis, Hydro
Inflammation, Multifocal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Eye

Pulmonary Artery Nos

Mineralization

Kidney
Liver

Retina
Posterior Chamber
Cornea

Cataract
Degeneration, Nos
Hemorrhage
Inflammation, Chronic
Phthisis Bulbi
Nephropathy
Fibrosis, Cholangio
Hyperplasia, Nos
Histiocytosis
Hemorrhage

Lung
Lymph node

Bile Duct
Alveoli
Mediastinal Lymph Node

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Nephropathy
Liver		Fibrosis, Cholangio
Lung	Alveoli	Histiocytosis
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Persistent Embryonic Structure
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone

Cartilage,Nos

Necrosis, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Lung

Congestion, Nos

Mammary gland

Dilatation, Ducts

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Clitoral gland
Liver
Lymph node
Mammary gland
Pituitary gland
Thymus
Thyroid
Unspecified

Pulmonary Artery Nos

Mediastinal Lymph Node

Anterior Pituitary

Multiple Organs Nos

Angiectasis
Mineralization
Hyperplasia, Epithelial
Inflammation, Multifocal
Hemosiderosis
Fibroadenoma
Cyst, Nos
Persistent Embryonic Structure
Hyperplasia, C Cell
Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Thymus

Pheochromocytoma

Nephropathy

Inflammation, Interstitial

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Hemorrhage
Liver		Cytoplasmic Change, Eosinophilic
		Inflammation, Multifocal
Lung		Epithelialization
		Hemorrhage
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Ectopia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Lymph node

Thymus

Unspecified

Bile Duct

Pleura Nos

Alveoli

Pleura Nos

Mediastinal Lymph Node

Multiple Organs Nos

Lipoidosis

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Nos

Foreign Material, Nos

Histiocytosis

Inflammation, Granulomatous

Hemosiderosis

Persistent Embryonic Structure

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Lymph node

Mandibular Lymph Node

Degeneration, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thymus

Persistent Embryonic Structure

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Mediastinum Nos

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung		Hemorrhage
Stomach	Forestomach	Ulcer, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Polyangiitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Inflammation, Multifocal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Multifocal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Thymus		Persistent Embryonic Structure
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Calculus, Unknown Gross Or Micro Hemorrhage Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Multifocal Alveolar/Bronchiolar Adenoma
Lung		Hemorrhage
Lymph node	Mediastinal Lymph Node	Fibroadenoma
Mammary gland		Atrophy, Nos
Pancreas	Acinus	Cyst, Nos
Pituitary gland	Anterior Pituitary	Persistent Embryonic Structure
Thymus		Endometrial Stromal Polyp
Uterus		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Liver

Pituitary gland

Preputial gland

Thymus

Pulmonary Artery Nos

Anterior Pituitary

Angiectasis

Mineralization

Inflammation, Multifocal

Adenoma, Nos

Abscess, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Eye

Heart

Kidney

Liver

Lung

Ovary

Pancreas

Pituitary gland

Thymus

Sclera

Myocardium Nos

Bile Duct

Acinus

Anterior Pituitary

Cortical Carcinoma

Dilatation, Ducts

Mineralization

Fibrosis

Hemorrhage

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Nos

Cortical Carcinoma, Metastatic

Cyst, Parovarian

Atrophy, Nos

Angiectasis

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Mammary gland

Pancreas

Pituitary gland

Thymus

Uterus

Bile Duct

Acinus

Anterior Pituitary

Lipoidosis

Hyperplasia, Nos

Fibroadenoma

Atrophy, Nos

Adenoma, Nos

Persistent Embryonic Structure

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Lymph node

Edema, Nos

Pancreas

Mediastinal Lymph Node

Hemorrhage

Acinus

Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pituitary gland

Thymus

Thyroid

Anterior Pituitary

Nephropathy

Cyst, Nos

Persistent Embryonic Structure

Cyst, Ultimobranchial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Hemosiderosis
		Metamorphosis, Fatty
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Metamorphosis, Fatty
Lung		Hemorrhage
	Alveoli	Histiocytosis
Pituitary gland	Anterior Pituitary	Angiectasis
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Lipoidosis
Bone	Cartilage,Nos	Necrosis, Nos
Clitoral gland		Carcinoma, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Inflammation, Multifocal
Mammary gland		Fibroadenoma
Ovary		Cyst, Parovarian
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Pituitary gland

Unspecified

Bile Duct

Anterior Pituitary

Multiple Organs Nos

Pheochromocytoma

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Nos

Adenoma, Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney

Pulmonary Artery Nos

Mineralization

Hemorrhage

Nephropathy

Lung

Perivascular Cuffing

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Cytoplasmic Change, Ground-Glass Inflammation, Multifocal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney

Pulmonary Artery Nos

Mineralization
Hemosiderosis
Metamorphosis, Fatty
Nephropathy

Liver
Lymph node
Pituitary gland
Zymbal gland

Mandibular Lymph Node
Anterior Pituitary

Metamorphosis, Fatty
Degeneration, Cystic
Cyst, Nos
Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Lung		Inflammation, Interstitial
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Fibrosis, Diffuse

Liver

Inflammation, Multifocal

Pituitary gland

Anterior Pituitary

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Hemorrhage
		Nephropathy
Liver		Inflammation, Multifocal
Lung	Alveoli	Histiocytosis
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas	Acinus	Atrophy, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Brain

Stem

Carcinoma, Nos, Invasive

Eye

Cataract

Retina

Degeneration, Nos

Kidney

Hemorrhage

Liver

Nephropathy

Mammary gland

Inflammation, Multifocal

Fibroadenoma

Pituitary gland

Anterior Pituitary

Intraductal Papilloma

Thymus

Carcinoma, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Eye

Pulmonary Artery Nos

Mineralization

Lymph node

Retina
Mediastinal Lymph Node
Mediastinal Lymph Node

Cataract

Mammary gland

Pituitary gland

Unspecified

Uterus

Anterior Pituitary
Multiple Organs Nos
Endometrium

Degeneration, Nos
Hemorrhage
Hemosiderosis
Galactocele
Adenoma, Nos
Leukemia, Mononuclear Cell
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Thymus

Persistent Embryonic Structure

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrium

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Eye

Cataract

Retina

Degeneration, Nos

Kidney

Nephropathy

Liver

Inflammation, Multifocal

Lung

Alveoli

Histiocytosis

Lymph node

Mandibular Lymph Node

Degeneration, Cystic

Mediastinal Lymph Node

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Cataract

Retina

Degeneration, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Hemorrhage

Nephropathy

Lymph node

Mediastinal Lymph Node

Hemosiderosis

Pancreas

Acinus

Atrophy, Nos

Thymus

Persistent Embryonic Structure

Unspecified

Abdomen

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Calculus, Microscopic Examination Nephropathy
Liver		Fibrosis, Cholangio Inflammation, Multifocal
Lung	Alveoli	Histiocytosis
Lymph node	Mediastinal Lymph Node	Histiocytosis
Pituitary gland	Anterior Pituitary	Angiectasis
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Mammary gland		Adenocarcinoma, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Persistent Embryonic Structure
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Inflammation, Multifocal
Lung		Perivascular Cuffing
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hemorrhage
Kidney		Hemosiderosis
Liver		Fibrosis, Cholangio
Lung		Inflammation, Interstitial
Pituitary gland	Anterior Pituitary	Hemorrhage
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Bone
Heart
Kidney

Pulmonary Artery Nos
Cartilage,Nos
Myocardium Nos

Mineralization
Necrosis, Nos
Fibrosis
Hemorrhage
Nephropathy
Hyperplasia, Nos
Hemorrhage
Cyst, Nos
Persistent Embryonic Structure
Hyperplasia, C Cell

Liver
Lymph node
Pituitary gland
Thymus
Thyroid

Bile Duct
Mediastinal Lymph Node
Anterior Pituitary

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Metamorphosis, Fatty
Lung		Hemorrhage
Pituitary gland	Anterior Pituitary	Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Liver

Lung

Unspecified

Myocardium Nos

Mediastinum Nos

Pheochromocytoma

Fibrosis

Necrosis, Focal

Osteosarcoma, Invasive

Osteosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Ovary

Pituitary gland

Uterus

Bile Duct

Anterior Pituitary

Nephropathy

Hyperplasia, Nos

Cyst, Parovarian

Adenoma, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Cytoplasmic Change, Ground-Glass
Mammary gland		Adenoma, Nos
		Fibroadenoma
Pancreas		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Lymph node

Thymus

Thyroid

Unspecified

Bile Duct

Mediastinal Lymph Node

Multiple Organs Nos

Pheochromocytoma

Hyperplasia, Nos

Hemorrhage

Persistent Embryonic Structure

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute
Kidney		Calculus, Microscopic Examination
Lung		Edema, Nos
		Hemorrhage
Ovary		Cyst, Parovarian

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Liver

Periportal

Metamorphosis, Fatty

Centrilobular

Necrosis, Nos

Mammary gland

Fibroadenoma

Unspecified

Abdominal Cavity

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Atrophy, Nos
Bone	Cartilage,Nos	Necrosis, Nos
Bone marrow		Fibrosis, Myelo
Clitoral gland		Adenoma, Nos
Kidney		Nephropathy
Liver		Acinar-Cell Carcinoma, Metastatic
	Bile Duct	Fibrosis, Cholangio
		Hyperplasia, Nos
Lung		Inflammation, Interstitial
Pancreas		Acinar-Cell Carcinoma
Spleen		Acinar-Cell Carcinoma, Invasive
Unspecified	Mediastinum Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 150.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Kidney

Lung

Lymph node

Pituitary gland

Thymus

Thyroid

Pulmonary Artery Nos

Alveoli

Mediastinal Lymph Node

Anterior Pituitary

Pheochromocytoma

Mineralization

Nephropathy

Histiocytosis

Hemosiderosis

Adenoma, Nos

Persistent Embryonic Structure

Cystic Follicles

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Bone

Cartilage,Nos

Necrosis, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Mammary gland		Fibroadenoma
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Hemorrhage
		Nephropathy
Liver		Inflammation, Multifocal
Mammary gland		Cystadenoma, Nos
		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Hemorrhage

Liver

Nephropathy

Ovary

Inflammation, Multifocal

Pancreas

Cyst, Parovarian

Pituitary gland

Anterior Pituitary

Focal Cellular Change

Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone
Kidney
Mammary gland
Thyroid

Sternum

Osteosclerosis
Hemorrhage
Fibroadenoma
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Granuloma, Nos
Heart	Atrium	Thrombosis, Nos
Kidney		Hemosiderosis
Liver	Centrilobular	Necrosis, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Heart		Fibroelastosis, Nos
	Myocardium Nos	Fibrosis
Kidney		Hemorrhage
		Nephropathy
Liver		Inflammation, Multifocal
Lung	Alveoli	Histiocytosis
		Inflammation, Interstitial
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver	Cytoplasmic Change, Nos
Lung	Bronchopneumonia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
		Malacia
Kidney	Tubule	Mineralization
		Nephropathy
Liver		Angiectasis
Lung		Hemorrhage
Spleen	Capsule	Necrosis, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Inflammation, Multifocal

Lymph node

Mandibular Lymph Node

Degeneration, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Brain

Kidney

Mammary gland

Pituitary gland

Pulmonary Artery Nos

Anterior Pituitary

Pheochromocytoma

Mineralization

Displacement, Nos

Nephropathy

Fibroadenoma

Intraductal Papilloma

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Change, Nos

Inflammation, Multifocal

Pituitary gland

Cytomegaly

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Atrophy, Nos

Eye

Cortex Nos

Pigmentation, Nos

Harderian gland

Retina

Cataract

Heart

Hardarian Gland

Degeneration, Nos

Kidney

Lymphocytic Inflammatory Infiltrate

Liver

Arteriosclerosis, Nos

Thymus

Nephropathy

Fibrosis, Cholangio

Inflammation, Multifocal

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney
Liver
Ovary
Pancreas
Unspecified
Uterus

Pulmonary Artery Nos

Bile Duct

Acinus
Multiple Organs Nos

Mineralization
Nephropathy
Hyperplasia, Nos
Cyst, Parovarian
Atrophy, Nos
Leukemia, Mononuclear Cell
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Liver

Bile Duct

Focal Cellular Change

Pituitary gland

Anterior Pituitary

Hyperplasia, Nos

Thymus

Adenoma, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Heart	Myocardium Nos	Fibrosis
Kidney	Papilla	Mineralization
		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Focal Cellular Change

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Hemosiderosis
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Hemorrhage
		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Multifocal
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Hemorrhage
		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Ground-Glass
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Inflammation, Multifocal
Thymus		Persistent Embryonic Structure
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Cartilage,Nos	Necrosis, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Hemorrhage
		Nephropathy
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Calculus, Microscopic Examination Cytoplasmic Vacuolization Hemosiderosis Nephropathy
Liver		Cytoplasmic Change, Basophilic
Lung		Adenocarcinoma, Nos, Metastatic
Trachea		Calculus, Microscopic Examination Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Adenocarcinoma, Nos, Invasive
Uterus		Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Esophagus

Kidney

Unspecified

Uterus

Tubule

Mediastinum Nos

Ulcer, Nos

Hemorrhage

Mineralization

Inflammation, Suppurative

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteosclerosis
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Focal Cellular Change
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Pancreas

Necrosis, Nos

Unspecified

Multiple Organs Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Kidney

Liver

Bile Duct

Lymph node

Mediastinal Lymph Node

Abscess, Nos

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Nos

Neoplastic Nodule

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Lymph node

Mammary gland

Urinary bladder

Mediastinal Lymph Node

Fibrosis, Cholangio

Hemorrhage

Fibroadenoma

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Thymus

Thyroid

Retina

Sclera

Myocardium Nos

Anterior Pituitary

Lipoidosis

Cataract

Degeneration, Nos

Mineralization

Fibrosis

Nephropathy

Inflammation, Multifocal

Inflammation, Interstitial

Fibroadenoma

Angiectasis

Persistent Embryonic Structure

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Heart

Kidney

Liver

Lymph node

Ovary

Pancreas

Thymus

Myocardium Nos

Bile Duct

Mediastinal Lymph Node

Acinus

Lipoidosis

Adenoma, Nos

Fibrosis

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Nos

Hemorrhage

Cyst, Follicular Nos

Atrophy, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Lymph node

Thymus

Mediastinal Lymph Node

Hemorrhage

Dilatation, Ducts

Inflammation, Multifocal

Perivascular Cuffing

Hemorrhage

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney	Papilla	Mineralization
		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Pituitary gland

Thymus

Unspecified

Anterior Pituitary

Multiple Organs Nos

Pheochromocytoma

Fibrosis

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Multifocal

Cyst, Nos

Persistent Embryonic Structure

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrium	Cyst, Nos
		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Fibrosis, Cholangio
		Hyperplasia, Nos
		Inflammation, Multifocal
Lung	Alveoli	Histiocytosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone
Kidney
Thymus
Thyroid

Sternum

Osteosclerosis
Nephropathy
Persistent Embryonic Structure
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Unspecified

Thoracic Cavity Nos

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver	Periportal	Metamorphosis, Fatty
		Necrosis, Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney
Liver

Pulmonary Artery Nos

Mineralization
Nephropathy
Fibrosis, Cholangio

Pituitary gland

Bile Duct
Anterior Pituitary

Hyperplasia, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Heart

Kidney

Liver

Lung

Lymph node

Pituitary gland

Thymus

Unspecified

Sternum

Myocardium Nos

Periportal

Alveoli

Mediastinal Lymph Node

Anterior Pituitary

Diaphragm Nos

Ganglioneuroblastoma

Ganglioneuroblastoma, Metastatic

Fibrosis

Nephropathy

Metamorphosis, Fatty

Histiocytosis

Hemorrhage

Angiectasis

Persistent Embryonic Structure

Ganglioneuroblastoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014
Time Report Requested: 17:06:56
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_041

TRT#: 3
DOSE: 300.0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Calculus, Unknown Gross Or Micro Hemorrhage Nephropathy
Liver	Bile Duct	Fibrosis, Cholangio Hyperplasia, Nos Inflammation, Multifocal
Lung		Inflammation, Interstitial
Pituitary gland	Anterior Pituitary	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Calculus, Unknown Gross Or Micro Nephropathy
Liver		Cytoplasmic Change, Ground-Glass
Lymph node	Mediastinal Lymph Node	Hemorrhage
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
		Inflammation, Multifocal
Lymph node	Mediastinal Lymph Node	Hemosiderosis
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Persistent Embryonic Structure
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Lung
Lymph node
Mammary gland

Alveoli
Mediastinal Lymph Node

Thymus
Thyroid
Unspecified

Multiple Organs Nos
Abdominal Cavity

Uterus

Histiocytosis
Hemosiderosis
Fibroadenoma
Galactocele
Persistent Embryonic Structure
Hyperplasia, C Cell
Leukemia, Mononuclear Cell
Necrosis, Fat
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Lung

Inflammation, Granulomatous

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney

Pulmonary Artery Nos
Tubule

Mineralization
Mineralization

Liver
Mammary gland

Bile Duct

Nephropathy
Hyperplasia, Nos

Pituitary gland
Thymus

Anterior Pituitary

Fibroadenoma

Unspecified

Chest

Angiectasis
Persistent Embryonic Structure

Uterus

Multiple Organs Nos

Fibroma

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Inflammation, Multifocal

Lymph node

Mediastinal Lymph Node

Histiocytosis

Pituitary gland

Anterior Pituitary

Hemorrhage

Thymus

Anterior Pituitary

Angiectasis

Focal Cellular Change

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Bone

Kidney

Liver

Lung

Pancreas

Thymus

Vagina

Pulmonary Artery Nos

Sternum

Tubule

Alveoli

Acinus

Pheochromocytoma

Mineralization

Osteosclerosis

Calculus, Microscopic Examination

Nephropathy

Cytoplasmic Change, Ground-Glass

Inflammation, Multifocal

Histiocytosis

Atrophy, Nos

Persistent Embryonic Structure

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Lung		Hemorrhage
Lymph node	Mediastinal Lymph Node	Hemorrhage
Ovary		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 300.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Pituitary gland

Thyroid

Bile Duct

Anterior Pituitary

Nephropathy

Hyperplasia, Nos

Inflammation, Interstitial

Angiectasis

Cyst, Ultimobranchial

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_001

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Mineralization
Lung	Alveoli	Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Thymus		Persistent Embryonic Structure
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_002

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Eye

Cornea

Inflammation, Chronic

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Thymus

Inflammation, Multifocal

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_003

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye		Cataract
	Sclera	Mineralization
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Ovary		Cyst, Parovarian
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_004

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Tubule

Mineralization

Pituitary gland

Anterior Pituitary

Nephropathy

Thymus

Adenoma, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_005

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Kidney

Lung

Thymus

Tubule

Degeneration, Lipoid

Adenoma, Nos

Mineralization

Inflammation, Interstitial

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_006

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Change, Nos

Bile Duct

Fibrosis, Cholangio

Ovary

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Inflammation, Multifocal

Cyst, Parovarian

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_007

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Liver

Lung

Mammary gland

Thyroid

Pulmonary Artery Nos

Angiectasis

Mineralization

Inflammation, Multifocal

Inflammation, Interstitial

Fibroadenoma

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_008

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Mineralization Nephropathy
Liver	Bile Duct	Fibrosis, Cholangio Hyperplasia, Nos Inflammation, Multifocal
Mammary gland		Cystadenoma, Nos Dilatation, Ducts Fibroadenoma
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_009

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Thymus

Thyroid

Unspecified

Uterus

Multiple Organs Nos

Ganglioneuroma

Nephropathy

Inflammation, Interstitial

Persistent Embryonic Structure

Cyst, Ultimobranchial

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_010

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Liver		Metamorphosis, Fatty
Lung		Inflammation, Necrotizing
Ovary		Necrosis, Nos
Parathyroid gland		Ectopia
Unspecified	Mediastinum Nos	Hemorrhage
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_011

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Fibrosis
Lung	Alveoli	Mineralization
Lymph node	Mediastinal Lymph Node	Histiocytosis
Pancreas	Acinus	Hemosiderosis
Pituitary gland	Anterior Pituitary	Atrophy, Nos
		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_012

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Retina

Degeneration, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Lung

Inflammation, Interstitial

Pituitary gland

Anterior Pituitary

Focal Cellular Change

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_013

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Hemorrhage
Liver		Inflammation, Multifocal
Lung		Inflammation, Interstitial
Lymph node	Cervical Lymph Node Nos	Histiocytosis
Mammary gland		Hyperplasia, Nodular
Pituitary gland	Anterior Pituitary	Focal Cellular Change
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_014

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_015

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Eye

Cataract

Retina

Degeneration, Nos

Kidney

Tubule

Mineralization

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_016

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Fibrosis
Kidney		Hemorrhage
		Nephropathy
Liver		Inflammation, Multifocal
Lymph node	Renal Lymph Node	Histiocytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_017

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Lung		Inflammation, Interstitial
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas		Focal Cellular Change
Pituitary gland	Anterior Pituitary	Cyst, Nos
Skin		Adnexal Adenoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_018

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Pituitary gland

Thyroid

Unspecified

Anterior Pituitary

Abdomen

Ectopia

Angiectasis

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_019

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Kidney

Pulmonary Artery Nos

Mineralization
Hemorrhage

Pancreas
Pituitary gland
Uterus

Tubule
Acinus
Anterior Pituitary

Mineralization
Atrophy, Nos
Focal Cellular Change
Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_020

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Lung	Alveoli	Histiocytosis
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Focal Cellular Change
Urinary bladder		Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_021

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Myocardium Nos

Tubule

Liver

Bile Duct

Lung

Lymph node

Mammary gland

Pituitary gland

Thyroid

Alveoli

Pancreatic Lymph Node

Anterior Pituitary

Angiectasis

Fibrosis

Hemorrhage

Mineralization

Nephropathy

Hyperplasia, Nos

Inflammation, Multifocal

Histiocytosis

Hemorrhage

Fibroadenoma

Angiectasis

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_022

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Blood vessel

Kidney

Liver

Mammary gland

Pituitary gland

Thymus

Pulmonary Artery Nos

Anterior Pituitary

Degeneration, Lipoid

Mineralization

Nephropathy

Fibrosis, Cholangio

Inflammation, Multifocal

Dilatation, Ducts

Fibroadenoma

Carcinoma, Nos

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_023

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Fibrosis, Myelo

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Pituitary gland

Anterior Pituitary

Angiectasis

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_024

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Degeneration, Lipoid
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone	Sternum	Necrosis, Nos
Heart	Myocardium Nos	Fibrosis
Liver		Inflammation, Multifocal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_025

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Liver

Fibrosis, Cholangio

Inflammation, Multifocal

Lymph node

Mediastinal Lymph Node

Hemorrhage

Unspecified

Groin

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_026

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Necrosis, Nos
Heart	Myocardium Nos	Fibrosis
Kidney		Nephropathy
Liver		Inflammation, Multifocal
Lung		Inflammation, Interstitial
Mammary gland		Fibroadenoma
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Angiectasis
Thymus		Persistent Embryonic Structure
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_027

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Focal Cellular Change
Clitoral gland		Dilatation, Ducts
Kidney		Hemorrhage
		Nephropathy
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Inflammation, Multifocal
Lung	Alveoli	Histiocytosis
Lymph node	Mediastinal Lymph Node	Hemosiderosis
Mammary gland		Galactocele
Pituitary gland	Anterior Pituitary	Angiectasis
Thymus		Persistent Embryonic Structure
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_028

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Inflammation, Multifocal

Pituitary gland

Anterior Pituitary

Angiectasis

Thymus

Persistent Embryonic Structure

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_029

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Sternum

Osteosclerosis

Kidney

Nephropathy

Lymph node

Mediastinal Lymph Node

Hemorrhage

Pancreas

Islets

Islet-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_030

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Hemosiderosis

Liver

Fibrosis, Cholangio

Lymph node

Mediastinal Lymph Node

Hemorrhage

Thymus

Persistent Embryonic Structure

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_031

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Cataract

Degeneration, Nos

Sclera

Mineralization

Heart

Myocardium Nos

Fibrosis

Kidney

Hemorrhage

Liver

Nephropathy

Mammary gland

Inflammation, Multifocal

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_032

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_033

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Kidney

Nephropathy

Lung

Inflammation, Interstitial

Lymph node

Mediastinal Lymph Node

Hemorrhage

Thymus

Persistent Embryonic Structure

Uterus

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_034

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Endometrial Stromal Sarcoma, Metastatic

Uterus

Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_035

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Multifocal
Lung		Inflammation, Interstitial
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_036

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteosclerosis
Kidney		Nephropathy
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_037

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos
Kidney	
Lymph node	Mandibular Lymph Node
	Mediastinal Lymph Node
Pancreas	
Thyroid	

Fibrosis
Hemorrhage
Nephropathy
Degeneration, Cystic
Hemorrhage
Hyperplasia, Focal
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_038

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Pituitary gland

Uterus

Myocardium Nos

Anterior Pituitary

Angiectasis

Fibrosis

Nephropathy

Hemorrhage

Carcinoma, Nos

Endometrial Stromal Polyp

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_039

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Pituitary gland

Anterior Pituitary

Pheochromocytoma

Nephropathy

Inflammation, Multifocal

Congestion, Nos

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_040

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Lung

Alveoli

Histiocytosis

Lymph node

Mandibular Lymph Node

Necrosis, Nos

Pancreas

Acinus

Atrophy, Nos

Pituitary gland

Anterior Pituitary

Cyst, Nos

Spleen

Fibrosis

Thymus

Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_041

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Brain

Hemorrhage

Liver

Metamorphosis, Fatty

Skin

Ear

Fibroma

Thymus

Persistent Embryonic Structure

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_042

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Ovary

Cyst, Parovarian

Pituitary gland

Hemorrhage

Spleen

Necrosis, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_043

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel
Clitoral gland
Eye

Pulmonary Artery Nos

Mineralization
Adenoma, Nos
Cataract

Kidney
Liver

Retina

Degeneration, Nos
Nephropathy
Cytoplasmic Change, Ground-Glass
Inflammation, Multifocal

Pituitary gland

Anterior Pituitary

Angiectasis

Anterior Pituitary

Focal Cellular Change

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_044

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Osteosclerosis
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Mineralization
		Nephropathy
Liver		Cytoplasmic Change, Ground-Glass
		Inflammation, Multifocal
Lung		Inflammation, Interstitial
Lymph node	Mediastinal Lymph Node	Hemosiderosis
Mammary gland		Fibroadenoma
Thymus		Persistent Embryonic Structure

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_045

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Fibrosis, Cholangio
Lung		Hemosiderosis
Pituitary gland	Anterior Pituitary	Focal Cellular Change
Spleen		Fibrosis
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Dimethyl morpholinophosphoramidate
CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_046

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Kidney
Liver

Colon

Parasitism
Nephropathy
Ectopia
Fibrosis, Cholangio
Adenoma, Nos
Angiectasis
Ulcer, Nos

Pituitary gland

Anterior Pituitary
Anterior Pituitary

Stomach

Forestomach

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_047

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel

Pulmonary Artery Nos

Mineralization

Bone

Sternum

Necrosis, Nos

Heart

Myocardium Nos

Fibrosis

Kidney

Nephropathy

Liver

Inflammation, Multifocal

Lung

Alveoli

Histiocytosis

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_048

TRT#: 4

DOSE: 0

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Thymus

Thyroid

Nephropathy

Inflammation, Multifocal

Persistent Embryonic Structure

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_049

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney	Tubule	Calculus, Microscopic Examination
Lung		Congestion, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C54740

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl morpholinophosphoramidate

CAS Number: 597-25-1

Date Report Requested: 10/26/2014

Time Report Requested: 17:06:56

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_050

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Necrosis, Nos
Heart	Myocardium Nos	Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****