

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine

CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

C Number: C01990

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Thyroid

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Pituitary gland

Thyroid

Myocardium Nos

Pheochromocytoma

Degeneration, Nos

Nephropathy

Foreign Body, Reaction

Chromophobe Adenoma

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Pituitary gland

Testis

Thyroid

Nephropathy

Cytoplasmic Change, Basophilic

Chromophobe Adenoma

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Pituitary gland

Testis

Thyroid

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Chromophobe Adenoma

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Lung

Alveolar/Bronchiolar Adenoma

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Neoplastic Nodule

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Metamorphosis, Fatty
	Necrosis, Focal
Pituitary gland	Chromophobe Adenoma
Testis	Interstitial-Cell Tumor
Thyroid	Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Thyroid

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Hyperplasia, Interstitial Cell

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	Neoplasm, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Thyroid

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lung

Testis

Thyroid

Bronchiole

Nephropathy

Inflammation, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Liver

Cytoplasmic Change, Basophilic

Lung

Bronchiole

Inflammation, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Lung

Testis

Pheochromocytoma

Pneumonia, Chronic Murine

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Kidney

Nephropathy

Pancreas

Acinus

Atrophy, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Metamorphosis, Fatty

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Atrophy, Nos

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis
Thyroid

Nephropathy
Chromophobe Adenoma
Interstitial-Cell Tumor
Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung	Foreign Body, Reaction
Testis	Interstitial-Cell Tumor
Thyroid	Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Neoplasm, Nos
Unspecified		Neoplasm, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Testis

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Chromophobe Adenoma

Testis

Atrophy, Nos

Tunica Vaginalis

Mesothelioma, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Neoplastic Nodule

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis

Nephropathy
Chromophobe Adenoma
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Thyroid

Myocardium Nos

Bronchiole

Pheochromocytoma

Degeneration, Nos

Nephropathy

Cytoplasmic Change, Basophilic

Necrosis, Focal

Inflammation, Nos

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Spleen

Testis

Pheochromocytoma

Nephropathy

Hemangioma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Pituitary gland

Testis

Thyroid

Chromophobe Adenoma

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung	Foreign Body, Reaction
Testis	Interstitial-Cell Tumor
Thyroid	Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

C-Cell Adenoma

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Testis

Thyroid

Pheochromocytoma

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Ileum, Ileum

Inflammation, Nos

Kidney

Nephropathy

Pituitary gland

Chromophobe Adenoma

Thyroid

C-Cell Adenoma

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Thyroid

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Pituitary gland

Testis

Thyroid

Neoplasm, Nos

Nephropathy

Metamorphosis, Fatty

Neoplastic Nodule

Chromophobe Adenoma

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Lung

Testis

Thyroid

Nephropathy

Foreign Body, Reaction

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

DOSE: 750 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Testis

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Metamorphosis, Fatty
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Urinary bladder

Nephropathy

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Pancreas
Pituitary gland
Testis
Thyroid

Medulla

Islets

Hyperplasia, Nos
Nephropathy
Cytoplasmic Change, Basophilic
Islet-Cell Adenoma
Chromophobe Adenoma
Interstitial-Cell Tumor
Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 750 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis
Thyroid

Nephropathy
Chromophobe Adenoma
Interstitial-Cell Tumor
Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_101

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_102

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Testis

Inflammation, Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_103

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_104

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Nephropathy

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_105

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Preputial gland

Nephropathy
Adenoma, Nos
Inflammation, Nos
Interstitial-Cell Tumor

Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_106

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Lung

Metamorphosis, Fatty

Spleen

Inflammation, Nos

Testis

Hematopoiesis

Tunica Vaginalis

Interstitial-Cell Tumor

Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_107

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood

Hematopoietic System

Neoplasm, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_108

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Pituitary gland

Testis

Thyroid

Unspecified

Nephropathy

Chromophobe Adenoma

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_109

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Testis

Pheochromocytoma

Nephropathy

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_110

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pituitary gland

Testis

Thyroid

Nephropathy

Chromophobe Adenoma

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_111

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Nephropathy

Neoplastic Nodule

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_112

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pancreas

Testis

Acinus

Nephropathy

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_113

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Lung

Inflammation, Nos

Mammary gland

Galactocele

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_114

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Neoplastic Nodule
Stomach	Omentum Nos	Necrosis, Fat
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_115

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_116

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Lung

Alveolar/Bronchiolar Adenoma

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_117

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver	Cytoplasmic Change, Basophilic
Testis	Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_118

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_119

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_120

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Parathyroid gland

Testis

Thyroid

Nephropathy

Adenoma, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_121

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Testis

Unspecified

Myocardium Nos

Multiple Organs Nos

Pheochromocytoma

Degeneration, Nos

Nephropathy

Metamorphosis, Fatty

Interstitial-Cell Tumor

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_122

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis

Nephropathy
Chromophobe Adenoma
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_123

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Nephropathy

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_124

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Degeneration, Cystic

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_125

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis

Nephropathy
Chromophobe Adenoma
Atrophy, Nos
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_126

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_127

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_128

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Nephropathy

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_129

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_130

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_131

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Nephropathy

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_132

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Testis

Pheochromocytoma

Nephropathy

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_133

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Nephropathy
Liver	Necrosis, Focal
Lung	Inflammation, Nos
Pituitary gland	Chromophobe Adenoma
Thyroid	Cyst, Follicular Nos
Unspecified	Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_134

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis

Nephropathy
Chromophobe Adenoma
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_135

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Neoplastic Nodule
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_136

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_137

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Pituitary gland

Testis

Thyroid

Nephropathy

Neoplastic Nodule

Chromophobe Adenoma

Interstitial-Cell Tumor

Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_138

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Testis

Nephropathy

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_139

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pancreas

Testis

Acinus

Nephropathy

Atrophy, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_140

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pituitary gland

Testis

Thyroid

Follicle

Nephropathy

Chromophobe Adenoma

Atrophy, Nos

Interstitial-Cell Tumor

Cystadenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_141

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_142

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_143

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Lung		Pneumonia, Chronic Murine
Pituitary gland		Chromophobe Adenoma
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_144

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Degeneration, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_145

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Kidney

Testis

Astrocytoma

Nephropathy

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_146

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Neoplastic Nodule
Salivary gland		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_147

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_148

TRT#: 2

DOSE: 375 PPM

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Thyroid

Nephropathy

Clear-Cell Change

Cytoplasmic Change, Basophilic

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_149

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Kidney
Pituitary gland

Myocardium Nos

Degeneration, Nos
Nephropathy
Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_150

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 375 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood	Hematopoietic System	Neoplasm, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_201

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Testis

Unspecified

Interstitial-Cell Tumor

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_202

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Preputial gland

Testis

Nephropathy
Adenoma, Nos
Necrosis, Nos
Atrophy, Nos
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_203

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver	Cytoplasmic Change, Basophilic
Testis	Interstitial-Cell Tumor
Unspecified	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_204

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Nephropathy

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_205

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Nephropathy

Neoplastic Nodule

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_206

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_207

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Nephropathy

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_208

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Stomach
Testis

Nephropathy
Squamous Cell Papilloma
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_209

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
Skin		Basal-Cell Carcinoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_210

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Nephropathy

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_211

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Testis

Nephropathy
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_212

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephropathy
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Adenoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_213

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Lung		Alveolar/Bronchiolar Adenoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_214

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Testis

Nephropathy
Chromophobe Adenoma
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_215

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Spleen

Infarct, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_216

TRT#: 3

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Unspecified

Nephropathy

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_217

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_218

TRT#: 3
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Hepatocellular Carcinoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_219

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Pituitary gland

Testis

Pheochromocytoma

Hepatocellular Carcinoma

Chromophobe Adenoma

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_220

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Nephropathy

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_008

TRT#: 4
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Inflammation, Suppurative
Lymph node		Hemosiderosis
Spleen		Hemosiderosis
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_016

TRT#: 4
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Thyroid

Metamorphosis, Fatty
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_039

TRT#: 4
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Thyroid

Bronchiole

Inflammation, Nos
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_040

TRT#: 4

DOSE: 0

SEX: Male

DISP:

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Lung

Thyroid

Calcinosis, Nos

Adenocarcinoma, Nos, Metastatic

Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 5_108

TRT#: 5
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Thyroid

Metamorphosis, Fatty
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 5_115

TRT#: 5
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Thyroid

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 5_116

TRT#: 5
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Thyroid

Calcinosis, Nos
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 5_139

TRT#: 5
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Prostate
Thyroid

Abscess, Nos
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 5_144

TRT#: 5
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Thyroid

Calcinosis, Nos
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01990

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 4,4'-Methylenebis(N,N-dimethyl)benzenamine
CAS Number: 101-61-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:58:11

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 5_148

TRT#: 5
DOSE: 0

SEX: Male
DISP:

DAY ON TEST:
HISTO:

OBSERVATIONS

Thyroid

Adenoma, Nos

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE