

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

C Number: C01707

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Bile Duct

Follicular-Cell Carcinoma, Metastatic

Lung

Hyperplasia, Nos

Thyroid

Follicular-Cell Carcinoma, Metastatic

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Carcinoma

Liver

Bile Duct

Hyperplasia, Nos

Lung

Emphysema, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Thyroid

Bile Duct

Inflammation, Chronic

Hyperplasia, Nodular

Hyperplasia, Nos

Bronchopneumonia Suppurative

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Carcinoma

Liver

Bile Duct

Hyperplasia, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Carcinoma
Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hyperplasia, Nodular

Bile Duct

Hyperplasia, Nos

Lung

Follicular-Cell Carcinoma, Metastatic

Spleen

Follicular-Cell Carcinoma, Metastatic

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Carcinoma

Liver

Bile Duct

Hyperplasia, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Inflammation, Chronic Suppurative
	Canal	Squamous Cell Papilloma
Intestine Small	Ileum	Mucinous Adenocarcinoma
	Mesentery Nos	Mucinous Adenocarcinoma, Metastatic
Liver		Hepatocellular Carcinoma
		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Skin	Lip Nos	Inflammation, Chronic Suppurative
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Cornea	Inflammation, Suppurative
Liver		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Lymph node	Mediastinal Lymph Node	Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Lymph node	Mediastinal Lymph Node	Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Carcinoma

Lung

Squamous Cell Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hepatocellular Carcinoma
		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hepatocellular Adenoma

Bile Duct

Hyperplasia, Nos

Lung

Follicular-Cell Carcinoma, Metastatic

Preputial gland

Adenoma, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung

Follicular-Cell Carcinoma, Metastatic

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver
Lung
Thyroid

Bile Duct

Hyperplasia, Nos
Follicular-Cell Carcinoma, Metastatic
Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Hepatocellular Carcinoma
Lung	Emphysema, Nos
Pituitary gland	Chromophobe Adenoma
Thyroid	Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bronchopneumonia Suppurative

Thyroid

Pleura Nos

Inflammation, Chronic

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_051

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_052

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Lung

Follicular-Cell Carcinoma, Metastatic

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_053

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Lung

Thyroid

Inflammation, Granulomatous

Bronchopneumonia Chronic Suppurative

Follicular-Cell Carcinoma, Metastatic

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_054

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hepatocellular Carcinoma
		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Bronchopneumonia Chronic Suppurative
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_055

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hyperplasia, Nodular

Lung

Bile Duct

Hyperplasia, Nos

Thyroid

Bronchopneumonia Chronic Suppurative

Follicular-Cell Carcinoma, Metastatic

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_061

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Astrocytoma
Liver	Bile Duct	Hyperplasia, Nos
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_063

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Intestine Large	Colon	Adenocarcinoma, Nos
Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lung		Follicular-Cell Carcinoma, Metastatic
		Hepatocellular Carcinoma, Metastatic
Seminal vesicle		Hyperplasia, Nodular
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_064

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
Lung		Emphysema, Nos
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_065

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_071

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Carcinoma

Eye

Cornea

Inflammation, Chronic Suppurative

Liver

Hepatocellular Carcinoma

Thyroid

Bile Duct

Hyperplasia, Nos

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_072

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Thyroid

Bile Duct

Inflammation, Chronic

Hepatocellular Adenoma

Hyperplasia, Nos

Emphysema, Nos

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_073

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Lymph node	Mediastinal Lymph Node	Follicular-Cell Carcinoma, Metastatic
Skin		Basal-Cell Carcinoma
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_074

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Hepatocellular Carcinoma
Lung	Follicular-Cell Carcinoma, Metastatic
Thyroid	Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_075

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hyperplasia, Nodular

Bile Duct

Hyperplasia, Nos

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Lung

Hyperplasia, Alveolar Epithelium

Skin

Metaplasia, Squamous

Thyroid

Basal-Cell Carcinoma

Squamous Cell Carcinoma

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Bronchopneumonia Chronic Suppurative
	Follicular-Cell Carcinoma, Metastatic
Thyroid	Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Cytoplasmic Change, Nos Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos Hepatocellular Carcinoma, Metastatic
Lung		Follicular-Cell Carcinoma
Thyroid		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Hyperkeratosis

Liver

Canal

Squamous Cell Carcinoma

Lung

Hepatocellular Adenoma

Hyperplasia, Alveolar Epithelium

Thyroid

Metaplasia, Squamous

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Carcinoma
Intestine Large	Colon	Adenocarcinoma, Nos
Liver		Hepatocellular Carcinoma
Lung		Follicular-Cell Carcinoma, Metastatic
		Hyperplasia, Alveolar Epithelium
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Adenocarcinoma, Nos

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Lung

Follicular-Cell Carcinoma, Metastatic

Thyroid

Hyperplasia, Alveolar Epithelium

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Hepatocellular Carcinoma, Metastatic

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Lung

Follicular-Cell Carcinoma, Metastatic

Hepatocellular Carcinoma, Metastatic

Hyperplasia, Alveolar Epithelium

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Suppurative
Esophagus		Inflammation, Chronic Suppurative
Lung		Bronchopneumonia Chronic Suppurative
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Bronchopneumonia Chronic Suppurative
		Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Cyst, Epidermal Inclusion
	Canal	Squamous Cell Papilloma
Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lung		Cyst, Epidermal Inclusion
		Hepatocellular Carcinoma, Metastatic
		Hyperplasia, Alveolar Epithelium
		Metaplasia, Squamous
Skin		Squamous Cell Papilloma
Thyroid		Follicular-Cell Carcinoma
Unspecified	Back	Sebaceous Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Carcinoma
Eye	Cornea	Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
		Cyst, Epidermal Inclusion
		Metaplasia, Squamous
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Liver		Hepatocellular Carcinoma
Lung		Follicular-Cell Carcinoma, Metastatic
		Hyperplasia, Alveolar Epithelium
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
		Inflammation, Chronic
Skin		Squamous Cell Papilloma
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Inflammation, Chronic Suppurative

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bronchopneumonia Suppurative

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Hyperkeratosis
	Canal	Squamous Cell Carcinoma
Intestine Large	Colon	Adenocarcinoma, Nos
Liver		Hepatocellular Adenoma
Lung		Bronchopneumonia Chronic Suppurative
		Follicular-Cell Carcinoma, Metastatic
		Squamous Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Papilloma

Liver

Bile Duct

Hyperplasia, Nos

Thyroid

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Adenocarcinoma, Nos

Liver

Hepatocellular Carcinoma

Lung

Follicular-Cell Carcinoma, Metastatic

Thyroid

Hyperplasia, Alveolar Epithelium

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Liver		Hepatocellular Carcinoma
Lung		Bronchopneumonia Suppurative
		Hyperplasia, Alveolar Epithelium
Skin		Squamous Cell Papilloma
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung	Bronchopneumonia Suppurative
Thyroid	Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Liver		Hepatocellular Carcinoma
Lung		Bronchopneumonia Suppurative
Thyroid		Cystic Follicles
		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_051

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Lung

Squamous Cell Carcinoma

Pleura Nos

Squamous Cell Carcinoma, Metastatic

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_052

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
		Follicular-Cell Carcinoma, Metastatic
Skin		Inflammation, Chronic Suppurative
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_054

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Adenocarcinoma, Nos

Liver

Hepatocellular Carcinoma

Lung

Alveolar/Bronchiolar Carcinoma

Bronchopneumonia Chronic Suppurative

Cyst, Epidermal Inclusion

Follicular-Cell Carcinoma, Metastatic

Hepatocellular Carcinoma, Metastatic

Metaplasia, Squamous

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_055

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Lung

Thyroid

Hepatocellular Carcinoma

Bronchopneumonia Suppurative

Hyperplasia, Alveolar Epithelium

Cystic Follicles

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_061

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Liver		Hepatocellular Carcinoma
Lung		Follicular-Cell Carcinoma, Metastatic
Skin		Squamous Cell Papilloma
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_062

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Carcinoma
Liver		Hepatocellular Carcinoma
Lung		Cyst, Epidermal Inclusion
		Follicular-Cell Carcinoma, Metastatic
		Metaplasia, Squamous
Thyroid		Squamous Cell Carcinoma
		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_063

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Squamous Cell Papilloma
Liver		Hyperplasia, Nodular
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Metaplasia, Squamous
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_064

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Adenocarcinoma, Nos

Liver

Hyperplasia, Nodular

Bile Duct

Hyperplasia, Nos

Lung

Follicular-Cell Carcinoma, Metastatic

Alveoli

Metaplasia, Squamous

Thyroid

Squamous Cell Carcinoma

Unspecified

Neck

Follicular-Cell Carcinoma

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_065

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
Lung		Follicular-Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_071

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Lung

Hepatocellular Carcinoma, Metastatic

Hyperplasia, Alveolar Epithelium

Alveoli

Metaplasia, Squamous

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_072

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Inflammation, Chronic Suppurative
	Canal	Squamous Cell Papilloma
Eye	Cornea	Inflammation, Chronic Necrotizing
Liver		Hyperplasia, Nodular
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Alveolar Epithelium
	Alveoli	Metaplasia, Squamous
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_073

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Lung

Bronchopneumonia Chronic Suppurative

Hepatocellular Carcinoma, Metastatic

Hyperplasia, Alveolar Epithelium

Thyroid

Follicular-Cell Adenoma

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_074

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear

Canal

Squamous Cell Papilloma

Lung

Cyst, Epidermal Inclusion

Hyperplasia, Alveolar Epithelium

Alveoli

Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_075

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Hepatocellular Carcinoma

Lung

Follicular-Cell Carcinoma, Metastatic

Hepatocellular Carcinoma, Metastatic

Alveoli

Metaplasia, Squamous

Squamous Cell Carcinoma

Thyroid

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Bone marrow

Thyroid

Atrophy, Nos

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Bone marrow

Kidney

Thyroid

Atrophy, Nos

Inflammation, Chronic

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Bone marrow

Kidney

Thyroid

Atrophy, Nos

Inflammation, Chronic

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

Thyroid

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver		Sarcoma, Nos, Metastatic
Lung		Sarcoma, Nos, Metastatic
Testis		Interstitial-Cell Tumor
Unspecified	Leg	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain	Astrocytoma
Kidney	Inflammation, Chronic
Thyroid	Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Kidney

Testis

Thyroid

Atrophy, Nos

Hamartoma

Inflammation, Chronic

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

DOSE: 0

SEX: Male

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Atrophy, Nos

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Bone marrow

Kidney

Testis

Atrophy, Nos

Inflammation, Chronic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01707

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 4,4'-Thiodianiline

CAS Number: 139-65-1

Date Report Requested: 10/26/2014

Time Report Requested: 10:42:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE