

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

C Number: C04159

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Pituitary gland		Cyst, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Steatitis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Thyroid		Follicular-Cell Carcinoma
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Nephropathy

Liver

Pigmentation, Nos

Mammary gland

Cytoplasmic Change, Basophilic

Pituitary gland

Cytoplasmic Vacuolization

Spleen

Cystic Ducts

Stomach

Carcinoma, Nos

Thyroid

Hemosiderosis

Unspecified

Forestomach

Edema, Nos

Forestomach

Ulcer, Nos

Follicle

Pigmentation, Nos

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Mammary gland

Pituitary gland

Thyroid

Cortex Nos

Tubule

Follicle

Angiectasis

Pigmentation, Nos

Cystic Ducts

Cyst, Nos

Hyperplasia, C Cell

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Kidney

Cortex Nos
Mesentery Nos

Cytoplasmic Vacuolization
Steatitis

Mammary gland
Pituitary gland
Thyroid

Tubule

Nephropathy
Pigmentation, Nos

Follicle

Cystic Ducts
Adenoma, Nos
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Lung		Hyperplasia, Adenomatous
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid	Follicle	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pelvis

Mineralization

Pituitary gland

Tubule

Pigmentation, Nos

Thyroid

Follicle

Adenoma, Nos

Uterus

Angiectasis

Pigmentation, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Endocardium Nos	Anitschkow-Cell Sarcoma
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Cystic Ducts
Ovary		Cystic Follicles
Pituitary gland		Angiectasis
		Carcinoma, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Thyroid	Follicle	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Inflammation, Chronic

Unspecified

Axilla

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Thyroid

Tubule

Follicle

Pigmentation, Nos
Adenoma, Nos
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Mammary gland		Fibroadenoma
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Fibroma
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Mammary gland

Pituitary gland

Thyroid

Unspecified

Uterus

Tubule

Follicle

Multiple Organs Nos

Endometrium

Pheochromocytoma

Pigmentation, Nos

Cystic Ducts

Hyperplasia, Focal

Pigmentation, Nos

Leukemia, Monocytic

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Nephropathy

Pigmentation, Nos

Lung

Alveolar/Bronchiolar Carcinoma

Ovary

Cystic Follicles

Pituitary gland

Cyst, Multiple

Thyroid

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Kidney

Tubule

Pigmentation, Nos

Thyroid

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Mammary gland
Parathyroid gland
Pituitary gland
Thyroid

Tubule

Follicle

Pigmentation, Nos
Fibroadenoma
Adenoma, Nos
Adenoma, Nos
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Ulcer, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Cortex Nos
Crystalline Lens

Cytoplasmic Vacuolization
Cataract
Hemorrhage
Retinopathy

Kidney
Mammary gland
Pituitary gland

Tubule

Pigmentation, Nos
Cystic Ducts
Adenoma, Nos

Thyroid
Uterus

Follicle

Pigmentation, Nos
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Inflammation, Chronic

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Pituitary gland		Cyst, Nos
Thyroid	Follicle	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Pheochromocytoma

Intestine Small

Mesentery Nos

Inflammation, Chronic

Kidney

Steatitis

Liver

Tubule

Nephropathy

Mammary gland

Pigmentation, Nos

Focal Cellular Change

Cystic Ducts

Fibroadenoma

Pituitary gland

Mammary Lobule

Hyperplasia, Nos

Adenoma, Nos

Thyroid

Follicle

Angiectasis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Eye

Retinopathy

Kidney

Nephropathy

Tubule

Pigmentation, Nos

Pituitary gland

Adenoma, Nos

Thyroid

Follicle

Angiectasis

Uterus

Pigmentation, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Pigmentation, Nos

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Mediastinum Nos

Carcinosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Tubule

Pigmentation, Nos

Pituitary gland

Hyperplasia, Focal

Thyroid

Follicle

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Brain		Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lung		Hyperplasia, Adenomatous
Mammary gland	Mammary Lobule	Hyperplasia, Nos
Pituitary gland		Carcinoma, Nos
Thyroid	Follicle	Pigmentation, Nos
Vagina		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Carcinoma, Nos

Kidney

Inflammation, Chronic Suppurative

Lung

Nephropathy

Mammary gland

Tubule

Pigmentation, Nos

Pituitary gland

Hyperplasia, Adenomatous

Thyroid

Cystic Ducts

Adenoma, Nos

Angiectasis

Hyperplasia, C Cell

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Lymphocytic Inflammatory Infiltrate
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Adenoma, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Lung

Alveolar/Bronchiolar Carcinoma

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Preputial gland

Hemosiderosis

Cystic Ducts

Thyroid

Follicle

Hyperplasia, Nos

Unspecified

Pigmentation, Nos

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Heart

Kidney

Lung

Mammary gland

Parathyroid gland

Pituitary gland

Thyroid

Uterus

Myocardium Nos

Follicle

Pheochromocytoma

Carcinoma, Nos

Inflammation, Chronic

Nephropathy

Inflammation, Granulomatous Focal

Hyperplasia, Cystic

Hyperplasia, Nos

Carcinoma, Nos

Pigmentation, Nos

Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Liver
Mammary gland

Cortex Nos

Accessory Structure
Cytoplasmic Vacuolization
Cystic Ducts
Fibroadenoma
Hyperplasia, Nos
Carcinoma, Nos
Pigmentation, Nos

Mammary Lobule

Pituitary gland
Thyroid

Follicle

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Tubule

Pigmentation, Nos

Ovary

Cystic Follicles

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Mesothelioma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Intestine Small
Kidney
Pituitary gland
Thyroid

Colon
Mesentery Nos
Tubule
Follicle

Parasitism
Steatitis
Pigmentation, Nos
Cyst, Nos
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver
Pancreas
Preputial gland

Bile Duct

Hyperplasia, Nos
Atrophy, Focal
Cystic Ducts
Hyperplasia, Nos
Inflammation, Acute Suppurative
Pigmentation, Nos
Leukemia, Monocytic

Thyroid
Unspecified

Follicle
Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Lung

Hyperplasia, Adenomatous

Pituitary gland

Cyst, Nos

Thyroid

Follicle

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Mammary gland
Thyroid
Uterus

Tubule
Mammary Lobule
Follicle

Pigmentation, Nos
Hyperplasia, Nos
Pigmentation, Nos
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Thymus		Thymoma, Benign
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
Mammary gland		Cystic Ducts
		Fibroadenoma
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pigmentation, Nos
Bone marrow		Atrophy, Nos
Heart		Fibrosis, Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney	Tubule	Pigmentation, Nos
Lung		Hyperplasia, Adenomatous
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Acute/Chronic
	Forestomach	Ulcer, Nos
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Adenoma, Nos

Cystic Ducts

Inflammation, Chronic Suppurative

Kidney

Nephropathy

Pigmentation, Nos

Tubule

Alveolar/Bronchiolar Adenoma

Lung

Pigmentation, Nos

Follicle

Thyroid

Endometrial Stromal Polyp

Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Nephropathy

Pigmentation, Nos

Lung

Alveolar/Bronchiolar Adenoma

Mammary gland

Cystic Ducts

Ovary

Cystic Follicles

Pituitary gland

Carcinoma, Nos

Thyroid

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Thyroid

Unspecified

Urinary bladder

Uterus

Tubule

Follicle

Multiple Organs Nos

Cytoplasmic Vacuolization

Pigmentation, Nos

Pigmentation, Nos

Lymphoma, Mixed-Malignant Type

Inflammation, Chronic

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland	Mammary Lobule	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Lung		Hyperplasia, Adenomatous
Pituitary gland		Adenoma, Nos
		Cytoplasmic Vacuolization
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Kidney

Mammary gland

Pituitary gland

Thyroid

Mesentery Nos

Tubule

Follicle

Steatitis

Pigmentation, Nos

Cystic Ducts

Fibroadenoma

Adenoma, Nos

Angiectasis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Carcinoma, Nos

Intestine Small

Mesentery Nos

Cystic Ducts

Lung

Inflammation, Suppurative

Lymph node

Inguinal Lymph Node

Steatitis

Mammary gland

Hyperplasia, Adenomatous

Pancreas

Islets

Hyperplasia, Nos

Thyroid

Follicle

Fibroadenoma

Islet-Cell Carcinoma

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Lung		Hyperplasia, Adenomatous
Pancreas		Atrophy, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified		Hemangiosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Thyroid		C-Cell Carcinoma
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Kidney

Mesentery Nos

Steatitis

Pituitary gland

Tubule

Pigmentation, Nos

Stomach

Cyst, Nos

Thyroid

Cyst, Epidermal Inclusion

Follicle

C-Cell Carcinoma

Uterus

Pigmentation, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 3000 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Heart

Kidney

Mammary gland

Pituitary gland

Thyroid

Uterus

Myocardium Nos

Tubule

Follicle

Cystic Ducts

Inflammation, Chronic

Nephropathy

Pigmentation, Nos

Cystic Ducts

Angiectasis

Carcinoma, Nos

Pigmentation, Nos

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Pituitary gland

Tubule

Nephropathy

Thyroid

Pigmentation, Nos

Adenoma, Nos

Follicle

C-Cell Carcinoma

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Mammary gland

Pancreas

Pituitary gland

Thyroid

Myocardium Nos

Tubule

Follicle

Cortical Adenoma

Cataract

Retinopathy

Inflammation, Chronic

Atrophy, Fatty

Nephropathy

Pigmentation, Nos

Cystic Ducts

Fibroadenoma

Atrophy, Nos

Adenoma, Nos

Angiectasis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Tubule

Retinopathy

Lung

Pigmentation, Nos

Pancreas

Hyperplasia, Adenomatous

Thyroid

Atrophy, Diffuse

Hyperplasia, C Cell

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Degeneration, Nos

Thrombosis, Nos

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Cyst, Nos

Spleen

Fibrosis, Diffuse

Hematopoiesis

Thyroid

Follicle

Pigmentation, Nos

Uterus

Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Tubule

Retinopathy

Lung

Pigmentation, Nos

Mammary gland

Hyperplasia, Adenomatous

Thyroid

Follicle

Fibroadenoma

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Glioma, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Eye

Heart

Kidney

Pituitary gland

Thyroid

Uterus

Myocardium Nos

Tubule

Follicle

Endometrium

Angiectasis

Cystic Ducts

Inflammation, Chronic Suppurative

Phthisis Bulbi

Retinopathy

Inflammation, Chronic

Nephropathy

Pigmentation, Nos

Adenoma, Nos

Hyperplasia, C Cell

Pigmentation, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Heart

Kidney

Lung

Mammary gland

Pituitary gland

Thyroid

Unspecified

Myocardium Nos

Tubule

Follicle

Inflammation, Chronic

Cataract

Retinopathy

Inflammation, Chronic

Pigmentation, Nos

Alveolar/Bronchiolar Adenoma

Fibroadenoma

Adenoma, Nos

Angiectasis

Pigmentation, Nos

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

Unspecified

Multiple Organs Nos

Mucinous Adenocarcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Kidney	Tubule	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Hyperplasia, Diffuse
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone marrow

Fibrosis, Myelo

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Pigmentation, Nos

Mammary gland

Cystic Ducts

Fibroadenoma

Mixed Tumor, Malignant

Pituitary gland

Adenoma, Nos

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Mixed Tumor, Metastatic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Carcinoma, Nos

Eye

Inflammation, Chronic Suppurative

Kidney

Tubule

Cataract

Mammary gland

Retinopathy

Thyroid

Pigmentation, Nos

Cystic Ducts

Hyperplasia, C Cell

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Lung

Thyroid

Unspecified

Uterus

Tubule

Follicle

Multiple Organs Nos

Endometrium

Pheochromocytoma

Cataract

Retinopathy

Pigmentation, Nos

Alveolar Macrophages

Hyperplasia, Adenomatous

Inflammation, Interstitial

C-Cell Carcinoma

Pigmentation, Nos

Leukemia, Monocytic

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Carcinoma, Nos

Eye

Cystic Ducts

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Nephropathy

Thyroid

Tubule

Pigmentation, Nos

Follicle

Hyperplasia, C Cell

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland
Eye

Cortex Nos

Cytoplasmic Vacuolization

Cystic Ducts

Cataract

Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Pigmentation, Nos

Lung

Hyperplasia, Adenomatous

Thyroid

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Cortex Nos

Angiectasis

Heart
Kidney
Mammary gland
Thyroid

Myocardium Nos
Tubule

Cataract
Retinopathy
Inflammation, Chronic

Uterus

Follicle

Pigmentation, Nos
Fibroadenoma
Hyperplasia, C Cell
Pigmentation, Nos
Endometrial Stromal Polyp
Hyperplasia, Cystic

Endometrium

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Cortex Nos

Cytoplasmic Vacuolization
Cataract
Hemorrhage
Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Pigmentation, Nos

Liver

Cytoplasmic Vacuolization

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Thyroid

Follicle

Cyst, Multiple
Hyperplasia, Cystic
Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Ulcer, Nos
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Eye

Mammary gland

Preputial gland

Unspecified

Uterus

Multiple Organs Nos

Cytoplasmic Vacuolization

Hemorrhage

Cataract

Inflammation, Acute

Adenosis

Fibroadenoma

Cystic Ducts

Inflammation, Acute Suppurative

Leukemia, Monocytic

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Phthisis Bulbi

Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Tubule

Pigmentation, Nos

Thyroid

Cystic Ducts

Fibroadenoma

Hyperplasia, C Cell

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Kidney	Tubule	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Inflammation, Suppurative
Squamous Cell Carcinoma

Eye

Cataract
Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Pigmentation, Nos

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Thyroid

Follicle

Angiectasis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland

Cortex Nos

Cytoplasmic Vacuolization
Carcinoma, Nos
Inflammation, Suppurative

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Intestine Small

Mesentery Nos

Inflammation, Chronic

Kidney

Tubule

Necrosis, Fat

Thyroid

Pigmentation, Nos

C-Cell Adenoma

Hyperplasia, C Cell

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Thyroid	Follicle	Pigmentation, Nos
Uterus		Endometrial Stromal Sarcoma
	Endometrium	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Cortex

Retinopathy

Metamorphosis, Fatty

Liver

Tubule

Nephropathy

Pigmentation, Nos

Pituitary gland

Inflammation, Acute/Chronic

Adenoma, Nos

Thyroid

Follicle

Angiectasis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Clitoral gland

Atrophy, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Pigmentation, Nos

Mammary gland

Cystic Ducts

Mammary Lobule

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Thyroid

Follicle

Angiectasis

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Kidney

Tubule

Pigmentation, Nos

Liver

Cytoplasmic Vacuolization

Mammary gland

Cystic Ducts

Pancreas

Acinus

Hyperplasia, Focal

Pituitary gland

Adenoma, Nos

Thyroid

Angiectasis

Hyperplasia, C Cell

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Femur	Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic Diffuse
Lung	Alveoli	Histiocytosis
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Abscess, Chronic
Stomach		Mineralization
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid	Follicle	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Pancreas

Spleen

Thyroid

Unspecified

Uterus

Capsule

Capsule

Multiple Organs Nos

Atrophy, Nos

Hemorrhage

Inflammation, Chronic

Follicular-Cell Adenoma

Leukemia, Monocytic

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Intestine Small	Mesentery Nos	Steatitis
Kidney		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Stomach	Forestomach	Cyst, Nos
	Forestomach	Ulcer, Chronic
Thyroid		Follicular-Cell Adenoma
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Tubule

Pigmentation, Nos

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Angiectasis

Thyroid

C-Cell Carcinoma

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Intestine Small

Mesentery Nos

Steatitis

Kidney

Tubule

Pigmentation, Nos

Mammary gland

Fibroadenoma

Thyroid

Hyperplasia, Cystic

Hyperplasia, C Cell

Unspecified

Follicle

Pigmentation, Nos

Multiple Organs Nos

Carcinosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Harderian gland

Heart

Kidney

Pituitary gland

Thyroid

Harderian Gland

Myocardium Nos

Tubule

Follicle

Atrophy, Nos

Ectopia

Inflammation, Chronic

Nephropathy

Pigmentation, Nos

Focal Cellular Change

Hyperplasia, C Cell

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteosarcoma
Kidney	Tubule	Pigmentation, Nos
Mammary gland		Cystic Ducts
Spleen		Hemosiderosis
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Acute
	Forestomach	Ulcer, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Lung		Hyperplasia, Adenomatous
Thyroid	Follicle	Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Kidney	Tubule	Pigmentation, Nos
Pituitary gland		Hyperplasia, Nos
Thyroid		Cystic Follicles
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cyst, Nos

Kidney

Tubule

Pigmentation, Nos

Mammary gland

Cystic Ducts

Pancreas

Islets

Islet-Cell Adenoma

Thyroid

Follicle

Pigmentation, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Pituitary gland

Thyroid

Myocardium Nos

Tubule

Follicle

Pheochromocytoma

Inflammation, Chronic

Nephropathy

Pigmentation, Nos

Adenoma, Nos

Angiectasis

Cyst, Nos

Hyperplasia, C Cell

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Intestine Small

Mesentery Nos

Steatitis

Kidney

Tubule

Pigmentation, Nos

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Thyroid

Angiectasis

Cyst, Thyroglossal Duct

Hyperplasia, C Cell

Uterus

Follicle

Pigmentation, Nos

Endometrial Stromal Polyp

Leiomyoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Pigmentation, Nos

Thyroid

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
		Hemosiderosis
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland
Eye

Cortex Nos

Deformity, Nos
Carcinoma, Nos
Cataract

Harderian gland
Heart
Intestine Small
Kidney

Harderian Gland
Myocardium Nos
Mesentery Nos

Retinopathy
Ectopia
Inflammation, Chronic Focal
Steatitis

Mammary gland
Pituitary gland
Skin
Thyroid

Tubule

Nephropathy
Pigmentation, Nos
Cystic Ducts
Carcinoma, Nos
Abscess, Chronic
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Kidney

Mammary gland

Thyroid

Tubule

Follicle

Cystic Ducts

Retinopathy

Pigmentation, Nos

Fibroadenoma

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Clitoral gland		Cystic Ducts
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Steatitis
Kidney	Tubule	Pigmentation, Nos
Liver		Deformity, Nos
Lymph node		Angiectasis
		Hemorrhage
		Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Pituitary gland		Adenoma, Nos
Thyroid	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Steatitis
Kidney	Tubule	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Carcinoma, Nos
Thyroid		C-Cell Carcinoma
	Follicle	Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland

Kidney
Lung
Mammary gland
Pituitary gland

Thyroid

Tubule

Follicle

Cortical Adenoma
Carcinoma, Nos
Inflammation, Suppurative
Pigmentation, Nos
Alveolar/Bronchiolar Adenoma
Cystic Ducts
Adenoma, Nos
Angiectasis
C-Cell Adenoma
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 1500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Neoplastic Nodule
Stomach	Forestomach	Cyst, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Pituitary gland

Thyroid

Nephropathy
Adenoma, Nos
Angiectasis
C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Mammary gland
Pituitary gland
Thyroid

Nephropathy
Cystic Ducts
Carcinoma, Nos
C-Cell Adenoma
C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Zymbal gland		Adenosquamous Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Lung

Lymphocytic Inflammatory Infiltrate

Mammary gland

Cystic Ducts

Thyroid

Fibroadenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Thyroid

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Ear	Middle Ear	Inflammation, Suppurative
Heart	Myocardium Nos	Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic
Zymbal gland		Adenosquamous Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
Pituitary gland		Angiectasis
		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Nephropathy

Lung

Squamous Cell Carcinoma, Metastatic

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Salivary gland

Angiectasis

Zymbal gland

Inflammation, Chronic Suppurative

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel
Heart
Mammary gland
Pituitary gland

Hepatic Vein
Myocardium Nos

Thrombus, Organized
Inflammation, Chronic
Cystic Ducts
Adenoma, Nos
Angiectasis
Leukemia, Monocytic

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Pituitary gland

Uterus

Endometrium

Pheochromocytoma

Nephropathy

Adenoma, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Necrosis, Fat
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lung		Emphysema, Alveolar
Lymph node	Cervical Lymph Node Nos	Angiectasis
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Angiectasis
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Eye

Skin

Nose

Inflammation, Chronic

Cataract

Retinopathy

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Liver

Cytoplasmic Vacuolization

Mammary gland

Cytoplasmic Vacuolization

Pituitary gland

Cystic Ducts

Adenoma, Nos

Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver	Cytoplasmic Vacuolization
Mammary gland	Cystic Ducts
Pituitary gland	Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney
Mammary gland
Pituitary gland

Nephropathy
Cystic Ducts
Adenoma, Nos
Angiectasis
Hemosiderosis
Hemosiderosis

Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Fibroadenoma
Ovary		Cystic Follicles
Pituitary gland		Adenoma, Nos
		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland

Pheochromocytoma
Cystic Ducts
Hyperplasia, Nos
Inflammation, Chronic Suppurative

Heart
Mammary gland
Pituitary gland

Myocardium Nos

Inflammation, Chronic
Adenocarcinoma, Nos
Adenoma, Nos
Angiectasis

Thyroid
Uterus

C-Cell Adenoma
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Pheochromocytoma

Intestine Small

Mesentery Nos

Inflammation, Chronic

Kidney

Necrosis, Fat

Uterus

Nephropathy

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Inflammation, Chronic

Heart

Myocardium Nos

Inflammation, Chronic

Liver

Deformity, Nos

Pituitary gland

Cyst, Nos

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Mammary gland

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic

Adenocarcinoma, Nos

Cystic Ducts

Fibroadenoma

Adenoma, Nos

Pituitary gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Small

Liver

Thyroid

Myocardium Nos

Mesentery Nos

Cortical Adenoma

Inflammation, Chronic

Steatitis

Focal Cellular Change

Hyperplasia, C Cell

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Kidney

Pituitary gland

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Atrophy, Nos

Nephropathy

Adenoma, Nos

Angiectasis

Follicular-Cell Adenoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Cortex Nos

Focal Cellular Change

Eye

Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Pituitary gland

Adenoma, Nos

Thyroid

Angiectasis

Unspecified

Cystic Follicles

Fibroma

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cyst, Nos

Eye

Retinopathy

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Angiectasis

Stomach

Submucosa

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye

Cortex Nos

Cyst, Nos

Cataract

Heart

Myocardium Nos

Retinopathy

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Thyroid

C-Cell Carcinoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Angiectasis

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Mammary gland

Pituitary gland

Skin

Myocardium Nos

Cortical Adenoma

Inflammation, Chronic Focal

Cystic Ducts

Fibroadenoma

Hyperplasia, Focal

Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Cyst, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Inflammation, Chronic

Intestine Small

Mesentery Nos

Steatitis

Mammary gland

Cystic Ducts

Fibroadenoma

Pancreas

Atrophy, Nos

Pituitary gland

Adenoma, Nos

Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver
Pituitary gland

Mesentery Nos

Steatitis
Inflammation, Chronic
Cytoplasmic Vacuolization
Adenoma, Nos
Angiectasis
Ulcer, Chronic

Stomach

Forestomach

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart
Kidney
Mammary gland

Myocardium Nos

Inflammation, Chronic
Nephropathy
Cystic Ducts
Fibroadenoma
Hyperplasia, Cystic
Hyperplasia, Focal

Pituitary gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Small

Kidney

Mammary gland

Pancreas

Pituitary gland

Uterus

Myocardium Nos

Mesentery Nos

Endometrium

Pheochromocytoma

Inflammation, Chronic

Steatitis

Nephropathy

Cystic Ducts

Fibroadenoma

Atrophy, Focal

Adenoma, Nos

Angiectasis

Endometrial Stromal Polyp

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Adenoma, Nos

Eye

Cystic Ducts

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Mammary gland

Nephropathy

Pituitary gland

Adenocarcinoma, Nos

Adenoma, Nos

Skin

Foot And Toe Nos

Angiectasis

Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Angiectasis
		Carcinoma, Nos
Stomach	Forestomach	Edema, Nos
	Forestomach	Ulcer, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lung		Lymphocytic Inflammatory Infiltrate
Pituitary gland		Adenoma, Nos
		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Clitoral gland
Heart
Kidney
Mammary gland
Pituitary gland

Myocardium Nos

Cystic Ducts
Inflammation, Chronic
Nephropathy
Cystic Ducts
Angiectasis
Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Carcinoma, Nos

Heart

Myocardium Nos

Inflammation, Chronic

Liver

Inflammation, Chronic

Lung

Lymphocytic Inflammatory Infiltrate

Pancreas

Hyperplasia, Adenomatous

Atrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Pheochromocytoma

Liver

Nephropathy

Mammary gland

Cytoplasmic Vacuolization

Pancreas

Cystic Ducts

Pituitary gland

Atrophy, Focal

Adenoma, Nos

Unspecified

Multiple Organs Nos

Angiectasis

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Clitoral gland

Cortical Adenoma

Carcinoma, Nos

Cystic Ducts

Inflammation, Suppurative

Intestine Large

Colon

Parasitism

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Heart

Kidney

Unspecified

Myocardium Nos

Carcinoma, Nos

Inflammation, Chronic

Inflammation, Chronic Diffuse

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Accessory Structure

Heart

Myocardium Nos

Inflammation, Chronic

Intestine Small

Mesentery Nos

Steatitis

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Pituitary gland

Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Heart

Myocardium Nos

Inflammation, Chronic

Mammary gland

Cystic Ducts

Fibroadenoma

Pituitary gland

Adenoma, Nos

Angiectasis

Uterus

Endometrial Stromal Sarcoma

Endometrium

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lung		Hyperplasia, Adenomatous
		Lymphocytic Inflammatory Infiltrate
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Mammary gland

Pituitary gland

Spleen

Pheochromocytoma

Nephropathy

Cystic Ducts

Fibroadenoma

Angiectasis

Carcinoma, Nos

Hemosiderosis

Hemosiderosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C04159

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 1

CAS Number: 2784-94-3

Date Report Requested: 10/26/2014

Time Report Requested: 16:25:17

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland

Cortical Adenoma

Kidney

Cytoplasmic Vacuolization

Mammary gland

Nephropathy

Thyroid

Cystic Ducts

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****