

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

C Number: C54897

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Heart	Myocardium Nos	Fibrosis, Focal
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Liver

Inflammation, Focal

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Kidney	Medulla	Cast, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Lymph node	Mandibular Lymph Node	Hyperplasia, Cystic
Nasal cavity	Nose Nos	Squamous Cell Carcinoma
Ovary		Cyst, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Ear

Liver

Lung

Lymph node

Mammary gland

Vagina

Skull

Tympanic Cavity

Bile Duct

Alveoli

Mandibular Lymph Node

Pheochromocytoma

Hyperostosis

Hyperostosis

Hyperplasia, Nos

Inflammation, Focal

Histiocytosis

Hyperplasia, Nos

Cystic Disease

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Ear

Tympanic Cavity

Hyperostosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Pituitary gland

Cystic Disease

Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Clitoral gland		Adenoma, Nos
Liver	Bile Duct	Inflammation, Suppurative
		Cytoplasmic Vacuolization
Lung	Alveoli	Hyperplasia, Nos
		Inflammation, Focal
Pancreas		Histiocytosis
		Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Basal Surface	Displacement, Nos
Kidney		Nephrosis, Nos
Liver		Metamorphosis, Fatty
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Bone

Skull

Hyperostosis

Eye

Retinopathy

Liver

Deformity, Nos

Bile Duct

Hyperplasia, Nos

Lymph node

Mandibular Lymph Node

Inflammation, Focal

Mammary gland

Hyperplasia, Nos

Pancreas

Fibroadenoma

Pituitary gland

Atrophy, Focal

Spleen

Adenoma, Nos

Thyroid

Hematopoiesis

Uterus

C-Cell Carcinoma

Endometrial Stromal Polyp

Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Accessory Structure

Pheochromocytoma

Bone

Skull

Hyperostosis

Kidney

Congestion, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Congestion, Nos

Edema, Interstitial

Pituitary gland

Angiectasis

Uterus

Endometrial Gland

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Eye

Kidney

Liver

Skull

Bile Duct

Pheochromocytoma

Hyperostosis

Retinopathy

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Focal

Cystic Disease

Adenoma, Nos

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Kidney

Liver

Skull

Bile Duct

Lung

Lymph node

Mammary gland

Ovary

Pituitary gland

Thyroid

Alveoli

Mediastinal Lymph Node

Hyperostosis

Nephrosis, Nos

Clear-Cell Change

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Focal

Histiocytosis

Angiectasis

Cystic Disease

Cyst, Nos

Cyst, Nos

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Bone

Skull

Hyperostosis

Kidney

Pelvis

Calcification, Nos

Liver

Bile Duct

Nephrosis, Nos

Lung

Alveoli

Hyperplasia, Nos

Pituitary gland

Uterus

Endometrium

Histiocytosis

Adenoma, Nos

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
		Deformity, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
		Neoplastic Nodule
Lung	Alveoli	Histiocytosis
Stomach	Forestomach	Deformity, Nos
		Inflammation, Focal
Uterus		Hydrometra
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Hyperplasia, Adenomatous
Mammary gland		Cystic Disease
Nasal cavity	Mucosa	Inflammation, Focal
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Kidney	Pelvis	Calcification, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic
		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone	Skull	Hyperostosis
Brain	Pallium	Displacement, Nos
Ear	Tympanic Cavity	Hyperostosis
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Lymph node	Mediastinal Lymph Node	Angiectasis
Ovary		Cyst, Follicular Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Pallium	Displacement, Nos
Eye		Retinopathy
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Pancreas		Atrophy, Focal
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Pallium	Displacement, Nos
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
		Leukocytosis, Nos
Lung	Alveoli	Histiocytosis
		Leukocytosis, Nos
Lymph node	Celiac Lymph Node	Hyperplasia, Nos
	Renal Lymph Node	Hyperplasia, Nos
Spleen		Hematopoiesis
Uterus		Endometrial Stromal Polyp
		Hematometra
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Chronic
	Serosa	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone
Kidney
Liver
Mammary gland
Pituitary gland

Skull

Hyperostosis
Nephrosis, Nos
Histiocytosis
Cystic Disease
Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Accessory Structure

Bone

Skull

Hyperostosis

Brain

Basal Surface

Displacement, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Cystic Disease

Pituitary gland

Angiectasis

Trachea

Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Ear	Tympanic Cavity	Hyperostosis
Heart	Myocardium Nos	Fibrosis, Focal
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Uterus	Endometrium	Hyperplasia, Cystic
		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Eye		Retinopathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lymph node	Pancreatic Lymph Node	Hyperplasia, Cystic
Mammary gland		Cystic Disease
Pituitary gland		Angiectasis
Thyroid		Cyst, Ultimobranchial
Uterus	Endometrium	Hyperplasia, Cystic
		Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Intestine Small	Muscularis, Ileum	Hyperplasia, Focal
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Ovary		Cyst, Follicular Nos
Pituitary gland		Cyst, Nos
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Ear

Tympanic Cavity

Hyperostosis

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Pallium	Displacement, Nos
Liver		Cytoplasmic Vacuolization
		Inflammation, Focal
Lung	Alveoli	Histiocytosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Ear	Tympanic Cavity	Hyperostosis
Eye		Cataract
		Retinopathy
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Ovary		Cyst, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrium	Hyperplasia, Cystic
		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Skull

Hyperostosis

Clitoral gland

Keratoacanthoma

Liver

Bile Duct

Hyperplasia, Nos

Lymph node

Mandibular Lymph Node

Inflammation, Focal

Mammary gland

Hyperplasia, Nos

Ovary

Cystic Disease

Cyst, Parovarian

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Ear

Liver

Mammary gland

Spleen

Thyroid

Skull

Tympanic Cavity

Bile Duct

Pheochromocytoma

Hyperostosis

Hyperostosis

Hyperplasia, Nos

Inflammation, Focal

Cystic Disease

Hematopoiesis

Cyst, Ultimobranchial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Uterus		Endometrial Stromal Polyp
	Parovarian	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Basal Surface	Displacement, Nos
Eye		Retinopathy
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Clitoral gland		Cystic Ducts
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Congestion, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Unspecified	Mediastinum Nos	Inflammation, Suppurative
	Multiple Organs Nos	Leukocytosis, Nos
Uterus		Endometrial Stromal Polyp
		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Cyst, Nos

Spinal cord

Cauda Equina

Sarcoma, Nos

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Pallium	Displacement, Nos
Liver		Cytoplasmic Vacuolization
		Inflammation, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Ear

Tympanic Cavity

Hyperostosis

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Thyroid

Hyperplasia, C Cell

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Bone

Skull

Hyperostosis

Ear

Neurilemoma

Liver

Degeneration, Cystic

Bile Duct

Hyperplasia, Nos

Lymph node

Mandibular Lymph Node

Inflammation, Focal

Mammary gland

Hyperplasia, Nos

Ovary

Cystic Disease

Pancreas

Cyst, Follicular Nos

Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver	Bile Duct	Hyperplasia, Nos
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Eye

Medulla

Hyperplasia, Focal

Liver

Bile Duct

Cataract

Retinopathy

Hyperplasia, Nos

Lung

Alveoli

Inflammation, Focal

Mammary gland

Histiocytosis

Nasal cavity

Mucosa

Cystic Disease

Ovary

Inflammation, Suppurative

Pituitary gland

Cyst, Parovarian

Uterus

Angiectasis

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Uterus

Endometrium

Cystic Disease

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Eye		Retinopathy
Liver		Neoplastic Nodule
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Intestine Large

Kidney

Liver

Ovary

Stomach

Unspecified

Skull

Cecum, Colon

Bile Duct

Mucosa

Multiple Organs Nos

Congestion, Nos

Hyperostosis

Pigmentation, Nos

Nephrosis, Nos

Deformity, Nos

Hyperplasia, Nos

Cyst, Parovarian

Erosion

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Urinary bladder	Mucosa	Hyperplasia, Polypoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Cystic Disease

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Liver

Inflammation, Focal

Lymph node

Mandibular Lymph Node

Hyperplasia, Nos

Mammary gland

Cystic Disease

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Brain	Pallium	Displacement, Nos
Ear	Tympanic Cavity	Hyperostosis
Kidney		Mixed Mesenchymal Tumor, Malignant
		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
		Fibroadenoma
Pancreas		Atrophy, Focal
Pituitary gland		Angiectasis
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Eye

Retinopathy

Liver

Bile Duct

Hyperplasia, Nos

Thyroid

C-Cell Adenoma

Unspecified

Groin

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 20000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone
Brain
Eye
Intestine Small
Kidney
Liver
Lung
Mammary gland
Pituitary gland
Uterus

Cortex Nos
Skull
Basal Surface

Mesentery Nos

Bile Duct
Alveoli

Cytoplasmic Vacuolization
Hyperostosis
Displacement, Nos
Retinopathy
Necrosis, Fat
Mixed Mesenchymal Tumor, Malignant
Hyperplasia, Nos
Histiocytosis
Cystic Disease
Adenoma, Nos
Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Congestion, Nos

Lung

Congestion, Nos

Unspecified

Multiple Organs Nos

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Skull

Hyperostosis

Liver

Bile Duct

Fibrosis, Cholangio

Mammary gland

Hyperplasia, Nos

Ovary

Cystic Disease

Pituitary gland

Cyst, Follicular Nos

Stomach

Mucosa

Angiectasis

Unspecified

Sole Of Foot

Hyperplasia, Focal

Adenomatous Polyp, Nos

Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Eye

Cataract

Intestine Small

Mesentery Nos

Retinopathy

Liver

Necrosis, Fat

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Fibroadenoma

Pituitary gland

Adenoma, Nos

Unspecified

Sole Of Foot

Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Nasal cavity

Ovary

Stomach

Bile Duct

Mucosa

Omentum Nos

Congestion, Nos

Congestion, Nos

Hyperplasia, Nos

Congestion, Nos

Edema, Nos

Inflammation, Suppurative

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Uterus		Hydrometra
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Kidney

Lung

Mammary gland

Ovary

Pancreas

Pituitary gland

Cystic Ducts

Inflammation, Suppurative

Nephrosis, Nos

Hyperplasia, Alveolar Epithelium

Cystic Disease

Fibroadenoma

Cyst, Nos

Atrophy, Focal

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Skull

Hyperostosis

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pituitary gland

Angiectasis

Thyroid

Follicle

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Retinopathy
Liver		Cytoplasmic Change, Basophilic Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease Fibroadenoma
Uterus	Endometrium	Decidual Alteration, Nos Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Eye		Retinopathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Liver

Retinopathy

Cytoplasmic Vacuolization

Bile Duct

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Focal

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pituitary gland

Angiectasis

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Brain	Hypothalamus Nos	Gliosis
Ear		Inflammation, Suppurative
Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver		Deformity, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Uterus	Endometrium	Hyperplasia, Cystic
Zymbal gland		Adenosquamous Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Histiocytosis
Mammary gland		Cystic Disease

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Intestine Small

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Unspecified

Uterus

Skull

Mesentery Nos

Bile Duct

Multiple Organs Nos

Endometrium

Pheochromocytoma

Hyperostosis

Necrosis, Fat

Nephrosis, Nos

Hyperplasia, Nos

Alveolar/Bronchiolar Adenoma

Cystic Disease

Fibroadenoma

Adenoma, Nos

Leukemia, Mononuclear Cell

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Skin

Abdomen

Fibroadenoma

Basal-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Eye

Cataract

Retinopathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Focal

Mammary gland

Cystic Disease

Pituitary gland

Hyperplasia, Focal

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Bone

Skull

Hyperostosis

Eye

Cataract

Retinopathy

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Bile Duct

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Focal

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pancreas

Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Nos
Spinal cord		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Skull

Hyperostosis

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Eye		Cataract
		Retinopathy
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Pheochromocytoma

Bone

Skull

Hyperostosis

Heart

Myocardium Nos

Fibrosis, Focal

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Uterus

Endometrial Stromal Polyp

Broad Ligament

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
		Retinopathy
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Ovary		Cyst, Follicular Nos
Pituitary gland		Adenoma, Nos
Unspecified	Sole Of Foot	Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Kidney

Liver

Skull

Pheochromocytoma

Hyperostosis

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Fibrosis, Cholangio

Hepatocellular Carcinoma

Hyperplasia, Nos

Histiocytosis

Cystic Disease

Fibroadenoma

Angiectasis

Focal Cellular Change

Hydrometra

Lung

Mammary gland

Bile Duct

Alveoli

Pituitary gland

Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Cataract

Kidney

Retinopathy

Liver

Nephrosis, Nos

Cytoplasmic Vacuolization

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Accessory Structure

Bone

Medulla

Hyperplasia, Focal

Kidney

Skull

Hyperostosis

Liver

Nephrosis, Nos

Cytoplasmic Vacuolization

Mammary gland

Bile Duct

Hyperplasia, Nos

Ovary

Cystic Disease

Pancreas

Cyst, Follicular Nos

Pituitary gland

Atrophy, Focal

Uterus

Hyperplasia, Focal

Vagina

Inflammation, Suppurative

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Mammary gland

Pancreas

Pituitary gland

Unspecified

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Cholangio

Hyperplasia, Nos

Cystic Disease

Atrophy, Focal

Angiectasis

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Eye

Cataract

Retinopathy

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Pituitary gland

Angiectasis

Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Hypothalamus Nos	Displacement, Nos
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos
Salivary gland		Inflammation, Nos
Stomach	Forestomach	Edema, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Heart	Myocardium Nos	Fibrosis, Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Mammary gland

Thyroid

Bile Duct

Alveoli

Nephrosis, Nos

Hyperplasia, Nos

Histiocytosis

Cystic Disease

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic Degeneration, Cystic
	Bile Duct	Hyperplasia, Nos Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease Fibroadenoma
Unspecified	Sole Of Foot	Callus
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Brain		Astrocytoma
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Accessory Structure

Brain

Hypothalamus Nos

Displacement, Nos

Lung

Histiocytosis

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Stomach

Forestomach

Edema, Nos

Uterus

Endometrium

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Clitoral gland		Carcinoma, Nos
Kidney		Nephrosis, Nos
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Carcinoma, Nos
Thyroid		C-Cell Adenoma
		C-Cell Carcinoma
Unspecified	Sole Of Foot	Callus
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Pituitary gland		Hyperplasia, Focal
Unspecified	Abdominal Cavity	Adenocarcinoma, Nos, Invasive
Uterus	Endometrium	Adenocarcinoma, Nos
		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Congestion, Nos

Pancreas

Nephrosis, Nos

Thyroid

Atrophy, Nos

Unspecified

C-Cell Adenoma

Multiple Organs Nos

Leukemia, Mononuclear Cell

Multiple Organs Nos

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Heart

Kidney

Liver

Skull

Cardiac Valve

Bile Duct

Lung

Mammary gland

Unspecified

Uterus

Alveoli

Sole Of Foot

Endometrium

Angiectasis

Hyperostosis

Inflammation, Focal

Nephrosis, Nos

Cytoplasmic Vacuolization

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Focal

Histiocytosis

Cystic Disease

Callus

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Mammary gland

Pituitary gland

Bile Duct

Pheochromocytoma

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Cystic Disease

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Mammary gland

Ovary

Pituitary gland

Bile Duct

Alveoli

Nephrosis, Nos

Hyperplasia, Nos

Histiocytosis

Cystic Disease

Cyst, Follicular Nos

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos Inflammation, Focal
Mammary gland		Cystic Disease Fibroadenoma
Ovary		Cyst, Follicular Nos
Pituitary gland		Adenoma, Nos
Skin	Tail	Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Fibrosis, Focal

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Inflammation, Focal

Mammary gland

Histiocytosis

Pancreas

Cystic Disease

Pituitary gland

Atrophy, Focal

Uterus

Endometrium

Adenoma, Nos

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Nos

Bone

Skull

Hyperostosis

Heart

Myocardium Nos

Fibrosis, Focal

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

Necrosis, Focal

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

Pigmentation, Nos

Lymph node

Mediastinal Lymph Node

Congestion, Nos

Mammary gland

Cystic Disease

Ovary

Cyst, Follicular Nos

Granulosa-Cell Tumor

Pituitary gland

Angiectasis

Stomach

Forestomach

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Hyaline
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Unspecified	Mediastinum Nos	Alveolar/Bronchiolar Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Bone

Skull

Hyperostosis

Liver

Deformity, Nos

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Hyperplasia, Adenomatous

Pituitary gland

Adenoma, Nos

Thyroid

Angiectasis

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Uterus

Endometrium

Leukemia, Mononuclear Cell

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Lung

Adenocarcinoma, Nos, Metastatic

Mammary gland

Adenocarcinoma, Nos

Pituitary gland

Cystic Disease

Angiectasis

Spleen

Hyperplasia, Focal

Thyroid

Pigmentation, Nos

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Liver

Lung

Mammary gland

Pancreas

Pituitary gland

Uterus

Bile Duct

Alveoli

Broad Ligament

Hyperplasia, Reticulum Cell

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Hyperplasia, Nos

Histiocytosis

Cystic Disease

Fibroadenoma

Atrophy, Focal

Angiectasis

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Pheochromocytoma

Bone

Skull

Hyperostosis

Kidney

Nephrosis, Nos

Liver

Degeneration, Cystic

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver

Bile Duct

Hyperplasia, Nos

Ovary

Cyst, Follicular Nos

Thyroid

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

DOSE: 0

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Liver	Cytoplasmic Change, Basophilic
Mammary gland	Cystic Disease
	Fibroadenoma
Pituitary gland	Angiectasis
Thyroid	Hyperplasia, C Cell
Uterus	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Kidney

Liver

Mammary gland

Pituitary gland

Unspecified

Uterus

Hypothalamus Nos

Sole Of Foot

Endometrium

Pheochromocytoma

Displacement, Nos

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Inflammation, Focal

Cystic Disease

Adenoma, Nos

Ulcer, Chronic

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Mammary gland

Inflammation, Focal

Uterus

Endometrium

Cystic Disease

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Focal
Mammary gland		Cystic Disease
Pituitary gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Kidney

Liver

Hypothalamus Nos

Bile Duct

Mammary gland

Pituitary gland

Thyroid

Angiectasis

Displacement, Nos

Nephrosis, Nos

Fibrosis, Cholangio

Hyperplasia, Nos

Inflammation, Focal

Cystic Disease

Fibroadenoma

Galactocele

Adenoma, Nos

C-Cell Adenoma

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Accessory Structure

Liver

Inflammation, Focal

Lymph node

Mediastinal Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Cystic Disease

Ovary

Cyst, Nos

Pancreas

Atrophy, Focal

Islets

Islet-Cell Adenoma

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Focal

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Inflammation, Focal

Mammary gland

Histiocytosis

Cystic Disease

Thyroid

Fibroadenoma

Hyperplasia, C Cell

Unspecified

Sole Of Foot

Abscess, Nos

Sole Of Foot

Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retinopathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Inflammation, Focal

Mammary gland

Cystic Disease

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

DOSE: 0

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Pancreas

Preputial gland

Thyroid

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

Fibroadenoma

Atrophy, Focal

Inflammation, Suppurative

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain		Hemorrhage
		Necrosis, Focal
Kidney		Nephrosis, Nos
		Pigmentation, Nos
Mammary gland		Cystic Disease
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hematopoiesis

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Fibroadenoma

Skin

Nose

Squamous Cell Papilloma

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Mammary gland		Cystic Disease
		Fibroadenoma
Pancreas		Atrophy, Focal
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Kidney

Nephrosis, Nos

Liver

Periportal

Cytoplasmic Vacuolization

Lymph node

Inguinal Lymph Node

Hyperplasia, Nos

Mammary gland

Cystic Disease

Pituitary gland

Adenoma, Nos

Unspecified

Sole Of Foot

Callus

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Liver

Mesentery Nos

Necrosis, Fat
Cytoplasmic Change, Basophilic
Cytoplasmic Vacuolization

Mammary gland

Bile Duct

Hyperplasia, Nos
Cystic Disease
Fibroadenoma

Pituitary gland
Unspecified

Sole Of Foot

Hyperplasia, Focal
Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Hyperostosis
Liver		Inflammation, Focal
Lung	Alveoli	Histiocytosis
	Alveoli	Hyperplasia, Adenomatous
Mammary gland		Cystic Disease
Skin	Nose	Abscess, Nos
Unspecified	Sole Of Foot	Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Cystic Disease

Uterus

Endometrium

Fibroadenoma

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Retinopathy
Kidney		Nephrosis, Nos
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Uterus		Endometrial Stromal Polyp
	Broad Ligament	Hematometra
		Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Mammary gland

Bile Duct

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Focal
Larynx	Laryngeal Gland	Inflammation, Suppurative
Liver		Metamorphosis, Fatty
Lung		Congestion, Nos
Mammary gland		Cystic Disease
Stomach	Forestomach	Inflammation, Chronic
Unspecified	Mediastinum Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney	Pelvis	Dilatation, Nos
		Necrosis, Medullary
		Nephrosis, Nos
Liver		Histiocytosis
	Bile Duct	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos
		Cystic Disease
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Ovary

Cystic Disease

Uterus

Granulosa-Cell Tumor

Endometrial Stromal Polyp

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Brain

Hypothalamus Nos

Displacement, Nos

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lymph node

Mandibular Lymph Node

Hyperplasia, Nos

Mammary gland

Cystic Disease

Ovary

Mesovarium

Fibroadenoma

Pituitary gland

Necrosis, Fat

Thyroid

Adenoma, Nos

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Cystic Disease

Fibroadenoma

Uterus

Endometrium

Hyperplasia, Cystic

Broad Ligament

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Mammary gland		Cystic Disease
		Fibroadenoma
Pancreas		Atrophy, Focal
Pituitary gland		Angiectasis
Unspecified	Sole Of Foot	Callus
Uterus	Broad Ligament	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Deformity, Nos
		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Broad Ligament	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
Lung	Alveoli	Histiocytosis
Mammary gland		Cystic Disease
Ovary		Granulosa-Cell Carcinoma
Uterus	Endometrium	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Bile Duct

Mammary gland

Pituitary gland

Nephrosis, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Hyperplasia, Nos

Inflammation, Focal

Cystic Disease

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Ducts

Pituitary gland

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Alveoli

Histiocytosis

Mammary gland

Cystic Disease

Pancreas

Atrophy, Focal

Unspecified

Sole Of Foot

Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Cytoplasmic Vacuolization
Nephrosis, Nos
Cytoplasmic Change, Basophilic

Bile Duct

Fibrosis, Cholangio
Hyperplasia, Nos
Inflammation, Focal

Mammary gland

Cystic Disease

Ovary

Fibroadenoma

Pituitary gland

Cyst, Parovarian

Skin

Adenoma, Nos

Thyroid

Thigh

Keratoacanthoma

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Eye

Retinopathy

Kidney

Tubule

Cast, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Nos

Ovary

Cyst, Follicular Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Liver

Bile Duct

Hyperplasia, Nos

Lymph node

Mesenteric Lymph Node

Leukemia, Lymphocytic

Unspecified

Sole Of Foot

Angiectasis

Uterus

Callus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Kidney

Liver

Mammary gland

Pituitary gland

Uterus

Skull

Bile Duct

Pheochromocytoma

Hyperostosis

Nephrosis, Nos

Hyperplasia, Nos

Cystic Disease

Hyperplasia, Focal

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Uterus

Cystic Disease

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
Lung	Alveoli	Hyperplasia, Adenomatous
Mammary gland		Cystic Disease
Unspecified	Sole Of Foot	Callus
Uterus	Endometrium	Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Pancreas

Thyroid

Unspecified

Uterus

Sole Of Foot

Broad Ligament

Cystic Disease

Atrophy, Focal

C-Cell Adenoma

Callus

Endometrial Stromal Polyp

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Kidney

Nephrosis, Nos

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Mammary gland

Adenoma, Nos

Pituitary gland

Fibroadenoma

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Basal Surface

Displacement, Nos

Kidney

Nephrosis, Nos

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Fibroadenoma

Pituitary gland

Galactocele

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Disease
Pituitary gland		Angiectasis
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Uterus

Cystic Disease

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Bone

Skull

Osteosarcoma

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Angiectasis

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Unspecified

Sole Of Foot

Cystic Disease

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Brain

Hypothalamus Nos

Displacement, Nos

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Pituitary gland

Cystic Disease

Unspecified

Sole Of Foot

Fibroadenoma

Adenoma, Nos

Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Cystic Disease

Skin

Tail

Cyst, Epidermal Inclusion

Tail

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Liver

Bile Duct

Mammary gland

Ovary

Pancreas

Unspecified

Uterus

Sole Of Foot

Broad Ligament

Pheochromocytoma

Cytoplasmic Vacuolization

Hyperplasia, Nos

Inflammation, Focal

Cystic Disease

Fibroadenoma

Cyst, Follicular Nos

Atrophy, Focal

Inflammation, Chronic

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Liver

Deformity, Nos

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Cystic Disease

Pituitary gland

Fibroadenoma

Thyroid

Adenoma, Nos

Cyst, Ultimobranchial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain		Carcinoma, Nos, Invasive
Mammary gland		Cystic Disease
Pituitary gland		Carcinoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Unspecified

Sole Of Foot

Callus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C54897

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC blue 2

CAS Number: 33229-34-4

Date Report Requested: 10/26/2014

Time Report Requested: 09:54:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Liver

Angiectasis

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Focal

Pituitary gland

Cystic Disease

Spleen

Adenoma, Nos

Unspecified

Hematopoiesis

Uterus

Sole Of Foot

Callus

Endometrial Stromal Polyp

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****