

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**C Number:** C04159  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Female

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Ovary		Cholesterol Deposit
Skin	Back	Fibrosarcoma
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous
		Inflammation, Focal
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_004

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Kidney		Hepatocellular Carcinoma, Metastatic
Liver		Hepatocellular Carcinoma
Lung	Alveoli	Hyperplasia, Adenomatous
		Inflammation, Focal
Mammary gland		Cystic Disease
Ovary		Cyst, Follicular Nos
Thyroid		Degeneration, Cystic
		Pigmentation, Nos
Uterus	Endometrium	Cyst, Nos

PRIMARY CAUSE OF DEATH

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_005

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Mammary gland		Cystic Disease
Spleen		Hematopoiesis
Thyroid		Degeneration, Cystic Follicular-Cell Adenoma Pigmentation, Nos
Uterus	Endometrium	Endometrial Stromal Polyp Hyperplasia, Cystic Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Thyroid		Degeneration, Cystic Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Kidney		Nephrosis, Nos
Liver		Hepatocellular Adenoma
		Hepatocellular Carcinoma
Lymph node	Mandibular Lymph Node	Angiectasis
Mammary gland		Cystic Disease
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Atrophy, Nos

Brain

Thalamus

Congestion, Nos

Liver

Psammoma Bodies

Lung

Alveoli

Hepatocellular Carcinoma

Histiocytosis

Ovary

Inflammation, Focal

Thyroid

Cyst, Follicular Nos

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Lymph node	Mesenteric Lymph Node	Angiectasis
Ovary		Cyst, Follicular Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
		Necrosis, Focal
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Intestine Small  
Liver  
Ovary  
Thyroid

Mesentery Nos

Inflammation, Nos  
Hepatocellular Carcinoma  
Cyst, Follicular Nos  
Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hyperplasia, Alveolar Epithelium
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_014

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Kidney	Tubule	Calcinosis, Nos
	Tubule	Dilatation, Nos
Liver		Hepatocellular Carcinoma
Mammary gland		Cystic Disease
Thyroid		Degeneration, Cystic
		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Congestion, Nos
		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous
		Inflammation, Granulomatous Focal
Thyroid	Follicle	Hyperplasia, Cystic
	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Lung	Hyperplasia, Alveolar Epithelium
Spleen	Lymphoma, Mixed-Malignant Type
Thyroid	Degeneration, Cystic
	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveoli	Hyperplasia, Adenomatous
	Alveoli	Inflammation, Granulomatous Focal
Spleen		Hyperplasia, Reticulum Cell
Thyroid		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
	Alveoli	Histiocytosis
	Alveoli	Hyperplasia, Adenomatous
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain  
Intestine Large  
Liver

Thalamus  
Large Intestine, Colon

Psammoma Bodies  
Edema, Nos  
Hepatocellular Adenoma  
Hepatocellular Carcinoma

Lung

Alveoli

Histiocytosis  
Hyperplasia, Alveolar Epithelium

Ovary

Cyst, Follicular Nos

Spleen

Hematopoiesis

Thyroid

Pigmentation, Nos

Uterus

Endometrium

Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Liver  
Lymph node  
Mammary gland

Thalamus  
  
Mesenteric Lymph Node

Thyroid

Psammoma Bodies  
Hepatocellular Carcinoma  
Inflammation, Suppurative  
Adenocarcinoma, Nos  
Cystic Disease  
Hyperplasia, Cystic  
Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
		Leukocytosis, Nos
Mammary gland		Cystic Disease
Spleen		Hematopoiesis
Thyroid		Inflammation, Focal
		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Hematopoiesis
Intestine Small	Mesentery Nos	Inflammation, Chronic Suppurative
Liver		Hepatocellular Carcinoma
		Necrosis, Focal
Lung	Alveoli	Hyperplasia, Adenomatous
		Leukocytosis, Nos
Mammary gland		Cystic Disease
Ovary		Inflammation, Suppurative
Pancreas		Inflammation, Suppurative
Skin		Inflammation, Nos
Spleen		Hematopoiesis
Stomach	Cardiac Gland	Metaplasia, Squamous
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic
Uterus		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Periarteritis

Liver

Hepatocellular Carcinoma

Lung

Alveoli

Hyperplasia, Adenomatous

Inflammation, Granulomatous Focal

Mammary gland

Cystic Disease

Ovary

Inflammation, Suppurative

Spleen

Hematopoiesis

Thyroid

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma Leukocytosis, Nos
Lung	Alveoli	Hyperplasia, Adenomatous Inflammation, Granulomatous Focal
Unspecified	Multiple Organs Nos Multiple Organs Nos	Hematopoiesis Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Pheochromocytoma

Liver

Hepatocellular Carcinoma

Lung

Alveolar Epithelium

Hyperplasia, Adenomatous

Inflammation, Focal

Spleen

Hematopoiesis

Unspecified

Multiple Organs Nos

Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Mammary gland		Cystic Disease
Spleen		Hematopoiesis
Thyroid	Follicle	Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Kidney  
Liver  
Ovary  
Skin  
Thyroid

Mesentery Nos

Tail

Pheochromocytoma  
Inflammation, Chronic  
Nephrosis, Nos  
Hepatocellular Carcinoma  
Cyst, Follicular Nos  
Squamous Cell Papilloma  
Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Blood		Leukocytosis, Neutrophilic
Liver		Hepatocellular Carcinoma
		Necrosis, Focal
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung	Alveoli	Histiocytosis Hyperplasia, Alveolar Epithelium
Ovary		Cyst, Follicular Nos
Pituitary gland		Adenoma, Nos
Thyroid		Degeneration, Cystic Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Unspecified	Abdominal Cavity	Leukocytosis, Nos
	Multiple Organs Nos	Periarteritis
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Mammary gland		Cystic Disease
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Thyroid		Degeneration, Cystic
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Mammary gland		Cystic Disease
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_034

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Mammary gland		Cystic Disease
Pancreas		Periarteritis
Pituitary gland		Hyperplasia, Focal
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Suppurative
Thyroid		Cyst, Embryonal Duct
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Focal
	Myocardium Nos	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
Thyroid		Cystic Follicles
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Fibrosis, Cholangio Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Granulomatous Focal
Uterus	Endometrium Parovarian	Hyperplasia, Cystic Inflammation, Suppurative Inflammation, Suppurative

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Mammary gland	Cystic Disease
Spleen	Hematopoiesis
Thyroid	Pigmentation, Nos
Uterus	Endometrium
	Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Gall bladder

Liver

Lung

Ovary

Thyroid

Uterus

Alveoli

Endometrium

Edema, Nos

Hepatocellular Adenoma

Hepatocellular Carcinoma

Histiocytosis

Hyperplasia, Alveolar Epithelium

Cyst, Follicular Nos

Pigmentation, Nos

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Unspecified	Neck	Hemangiosarcoma
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
Mammary gland		Cystic Disease
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_042

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
	Alveolar Epithelium	Hyperplasia, Adenomatous
		Inflammation, Focal
Mammary gland		Cystic Disease
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Leukocytosis, Nos
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Uterus	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 6000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
		Necrosis, Ischemic
Lung		Hepatocellular Carcinoma, Metastatic
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocytes	Anisokaryosis
Lung		Leukocytosis, Nos
Thyroid	Follicle	Inflammation, Focal
Unspecified	Multiple Organs Nos	Pigmentation, Nos
		Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Harderian gland  
Liver

Hardarian Gland

Adenoma, Nos  
Hepatocellular Adenoma  
Hepatocellular Carcinoma

Ovary  
Pituitary gland  
Uterus

Endometrium

Cyst, Follicular Nos  
Hyperplasia, Focal  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocytes	Anisokaryosis Hepatocellular Carcinoma
Ovary		Inflammation, Nos
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1  
**DOSE:** 6000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Spleen  
Thyroid  
Unspecified

Follicle  
Lower Leg Nos

Hematopoiesis  
Pigmentation, Nos  
Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Focal Cellular Change
Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
	Alveoli	Histiocytosis
	Alveolar Epithelium	Hyperplasia, Adenomatous
Spleen		Hematopoiesis
Thyroid		Inflammation, Focal
		Pigmentation, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_002

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Heart	Myocardium Nos	Periarteritis
Liver		Leukocytosis, Nos
Lung	Alveoli	Histiocytosis
Lymph node	Renal Lymph Node	Hyperplasia, Nos
Spleen		Hematopoiesis
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung	Alveoli	Histiocytosis
Thyroid		Degeneration, Cystic
		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_005

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Adenoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Kidney		Leukocytosis, Nos
Liver		Leukocytosis, Nos
Lung		Leukocytosis, Nos
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hematopoiesis
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Inflammation, Focal
Lung	Alveoli	Histiocytosis
	Alveoli	Hyperplasia, Adenomatous
Lymph node	Mesenteric Lymph Node	Hyperplasia, Nos
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hematopoiesis
		Leukocytosis, Nos
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Suppurative
Lymph node	Mediastinal Lymph Node	Hyperplasia, Nos
Ovary		Inflammation, Suppurative
Uterus		Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_011

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Ovary		Inflammation, Granulomatous
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung  
Mammary gland  
Ovary  
Thyroid

Alveolar Epithelium

Hyperplasia, Adenomatous  
Cystic Disease  
Inflammation, Nos  
Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Carcinoma
Pituitary gland		Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		Degeneration, Cystic
		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephrosis, Nos
Lung	Alveoli	Hyperplasia, Adenomatous Inflammation, Focal
Mammary gland		Cystic Disease
Pancreas		Atrophy, Focal Cystic Ducts
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Focal
Mammary gland		Adenosquamous Carcinoma
Skin	Groin	Cyst, Epidermal Inclusion
Thyroid		Degeneration, Cystic Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Uterus	Parovarian Endometrium	Endometrial Stromal Sarcoma Endometrial Stromal Sarcoma, Invasive Hyperplasia, Cystic Inflammation, Suppurative

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Mammary gland  
Spleen  
Thyroid  
Uterus

Hepatocellular Carcinoma  
Cystic Disease  
Hematopoiesis  
Pigmentation, Nos  
Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_018

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Kidney		Inflammation, Chronic
Liver		Hepatocellular Adenoma
Lung	Alveolar Epithelium	Alveolar/Bronchiolar Adenoma
		Hyperplasia, Adenomatous
		Inflammation, Focal
Stomach	Mucosa	Adenomatous Polyp, Nos
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Harderian gland  
Liver  
Ovary  
Thyroid  
Unspecified  
Uterus

Hardarian Gland  
  
  
  
Multiple Organs Nos  
Endometrium

Adenoma, Nos  
Hepatocellular Carcinoma  
Cyst, Follicular Nos  
Pigmentation, Nos  
Lymphoma, Lymphocytic-Malignant Type  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Adenoma
		Inflammation, Focal
Ovary		Cyst, Follicular Nos
Pituitary gland		Hyperplasia, Focal
Thyroid		Degeneration, Cystic
		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
	Alveolar Epithelium	Hyperplasia, Adenomatous
		Inflammation, Focal
Thyroid		Degeneration, Cystic
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Adenoma
Lung	Alveoli	Histiocytosis
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver  
Thyroid

Hepatocellular Carcinoma  
Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Heart		Inflammation, Suppurative
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Granulomatous Focal

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung		Osteosarcoma, Metastatic
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Pelvis Nos	Osteosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_028

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Liver

Lung

Thyroid

Uterus

Endometrium

Accessory Structure

Focal Cellular Change

Inflammation, Focal

Degeneration, Cystic

Pigmentation, Nos

Hyperplasia, Cystic

Inflammation, Suppurative

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Bone  
Liver  
Lung  
Thyroid

Skull

Uterus

Endometrium  
Fallopian Tube

Angiectasis  
Exostosis  
Hepatocellular Carcinoma  
Inflammation, Focal  
Degeneration, Cystic  
Pigmentation, Nos  
Hyperplasia, Cystic  
Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_030

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma Sequestration
Mammary gland		Cystic Ducts
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_031

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Adenoma
Mammary gland		Cystic Disease
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Inflammation, Focal
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_033

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Harderian gland  
Liver  
Lung

Thalamus  
Hardarian Gland  
  
Alveolar Epithelium

Thyroid  
Uterus

Endometrium

Psammoma Bodies  
Adenoma, Nos  
Hepatocellular Carcinoma  
Hyperplasia, Adenomatous  
Inflammation, Focal  
Pigmentation, Nos  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Focal Cellular Change
		Hepatocellular Adenoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous
		Inflammation, Focal
Lymph node	Mesenteric Lymph Node	Angiectasis
Pituitary gland		Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Adenoma
		Regeneration, Nodular
Mammary gland		Cystic Disease
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
	Multiple Organs Nos	Lymphoma, Nos-Malignant
	Tail	Neurilemoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Adenoma
		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Cyst, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Lung  
Thyroid

Alveoli

Angiectasis  
Hyperplasia, Lymphoid  
Hepatocellular Carcinoma  
Histiocytosis  
Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_038

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
  
Lung  
Peritoneum  
Thyroid  
Uterus

Mesentery Nos  
  
Bile Duct  
Alveoli

Necrosis, Fat  
Nephrosis, Hydro  
Fibrosis, Cholangio  
Hyperplasia, Nos  
Histiocytosis  
Leiomyosarcoma, Invasive  
Pigmentation, Nos  
Inflammation, Suppurative  
Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Thyroid  
Unspecified

Multiple Organs Nos

Pigmentation, Nos  
Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung	Alveoli	Histiocytosis
Spleen		Hematopoiesis
Thyroid		Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Thymus		Hyperplasia, Nos
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Adenoma Hepatocellular Carcinoma
Lung		Inflammation, Focal
Ovary		Cyst, Follicular Nos
Pancreas		Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Focal Cellular Change
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Carcinoma
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_045

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Inflammation, Focal
Ovary		Cyst, Parovarian
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney	Nephrosis, Nos
Liver	Leukocytosis, Nos
Lung	Leukocytosis, Nos
Lymph node	Hyperplasia, Plasma Cell
Ovary	Inflammation, Chronic Suppurative
Peritoneum	Inflammation, Chronic Suppurative
Thyroid	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_047

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Ovary		Cyst, Follicular Nos
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Parovarian	Inflammation, Nos Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Hepatocellular Adenoma
Lung		Inflammation, Focal
Thyroid		Pigmentation, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Blood		Leukocytosis, Nos
Bone marrow		Hyperplasia, Granulocytic
Liver		Leukocytosis, Nos
Spleen		Hematopoiesis
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 3000 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Liver		Hepatocellular Adenoma
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Mammary gland		Cystic Ducts
Pituitary gland		Hyperplasia, Focal
Thyroid		Degeneration, Cystic Pigmentation, Nos
Unspecified	Lumbar Region	Rhabdomyosarcoma
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_001

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Intestine Small  
Kidney  
Liver  
Lung  
Thyroid  
Uterus

Thalamus  
Mesentery Nos  
  
  
  
  
Endometrium

Psammoma Bodies  
Necrosis, Fat  
Nephrosis, Nos  
Focal Cellular Change  
Inflammation, Focal  
Inflammation, Focal  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Hematopoiesis
Lung		Leukocytosis, Nos
Pituitary gland		Angiectasis
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Intestine Small  
Lung

Thalamus  
Mesentery Nos  
Alveolar Epithelium

Psammoma Bodies  
Necrosis, Fat  
Hyperplasia, Adenomatous  
Inflammation, Focal  
Hyperplasia, Cystic

Uterus

Endometrium

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Leukocytosis, Nos
Lung	Bronchopneumonia, Acute
Ovary	Inflammation, Suppurative
Peritoneum	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Ovary	Inflammation, Suppurative
Peritoneum	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_006

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Focal
Kidney	Tubule	Pigmentation, Nos
Liver		Hematopoiesis
		Leukocytosis, Nos
Lung		Leukocytosis, Nos
Unspecified	Multiple Organs Nos	Adenocarcinoma/Squamous Metaplasia

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_007

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Ovary  
Thyroid  
Uterus

Endometrium

Cyst, Follicular Nos  
Cystic Follicles  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Inflammation, Focal
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland		Hyperplasia, Focal
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Harderian gland  
Liver  
Uterus

Thalamus  
Hardarian Gland  
Endometrium

Psammoma Bodies  
Adenoma, Nos  
Inflammation, Focal  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_010

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Lymph node	Mediastinal Lymph Node	Hyperplasia, Nos
Uterus	Endometrium	Hydrometra Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver		Fibrosis, Focal
Stomach	Forestomach	Squamous Cell Papilloma
Thyroid		Degeneration, Cystic
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Skin

Thalamus

Psammoma Bodies  
Fibrosarcoma  
Ulcer, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_013

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Brain  
Pancreas

Thalamus

Pituitary gland  
Thyroid  
Unspecified

Multiple Organs Nos  
Abdominal Cavity

Pheochromocytoma  
Psammoma Bodies  
Atrophy, Nos  
Cystic Ducts  
Hyperplasia, Focal  
Degeneration, Cystic  
Hyperplasia, Lymphoid  
Infection, Bacterial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Nephrosis, Nos
Liver		Leukocytosis, Nos
Lung		Inflammation, Interstitial
Spleen		Hematopoiesis
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_015

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus
Lung	Alveoli
Thyroid	
Uterus	Endometrium

Psammoma Bodies
Histiocytosis
Degeneration, Cystic
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_016

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Kidney		Hyperplasia, Lymphoid
Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Pituitary gland		Hyperplasia, Focal
Skin	Back	Sebaceous Adenoma
Spleen		Hyperplasia, Lymphoid
Thyroid		Follicular-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_017

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Lung	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thymus		Lymphoma, Lymphocytic-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Ovary  
Spleen  
Thyroid  
Uterus

Endometrium

Pheochromocytoma  
Cyst, Follicular Nos  
Hyperplasia, Lymphoid  
Degeneration, Cystic  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_019

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Eye		Phthisis Bulbi
Harderian gland	Harderian Gland	Adenoma, Nos
Lung	Alveoli	Histiocytosis
Ovary		Cyst, Follicular Nos
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, Cystic
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type
Urinary bladder		Hemangioma
Uterus	Endometrium	Hyperplasia, Cystic Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type  
Inflammation, Suppurative

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_021

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung	Alveolar Epithelium	Hyperplasia, Adenomatous Inflammation, Focal
Lymph node	Mesenteric Lymph Node	Angiectasis
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
Thyroid		Cystic Follicles
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small	Mesentery Nos	Necrosis, Fat
Liver		Hepatocellular Adenoma
Lung	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
Ovary		Cyst, Follicular Nos
Skin	Abdomen	Mast-Cell Tumor
Thyroid	Follicle	Hyperplasia, Cystic
		Inflammation, Focal
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Spleen		Hyperplasia, Lymphoid
Thyroid		Degeneration, Cystic
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Lung	Hepatocellular Carcinoma, Metastatic
Ovary	Cyst, Hemorrhagic
Spleen	Hematopoiesis
Uterus	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Intestine Small  
Liver  
Ovary  
Spleen  
Thyroid  
Uterus

Thalamus  
Mesentery Nos  
  
  
  
  
Endometrium

Psammoma Bodies  
Necrosis, Fat  
Focal Cellular Change  
Cyst, Follicular Nos  
Hematopoiesis  
Follicular-Cell Adenoma  
Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Carcinoma
Thyroid	Follicle	Hyperplasia, Cystic
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Liver		Leukocytosis, Nos
Lung		Leukocytosis, Nos
Lymph node	Renal Lymph Node	Hyperplasia, Nos
Ovary		Inflammation, Suppurative
Peritoneum		Inflammation, Suppurative
Spleen		Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_028

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Liver		Congestion, Nos
		Leukocytosis, Nos
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Bronchial Lymph Node	Hyperplasia, Nos
Spleen		Hematopoiesis
		Hyperplasia, Lymphoid
Unspecified	Multiple Organs Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_029

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver

Hemorrhage

Unspecified

Multiple Organs Nos

Necrosis, Focal

Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_030

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Intestine Small  
Lung  
Uterus

Duodenum  
Alveoli  
Endometrium

Adenomatous Polyp, Nos  
Histiocytosis  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1

**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:25:01

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_032

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_033

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Mammary gland  
Ovary  
Spleen

Adenocarcinoma, Nos  
Cyst, Nos  
Hematoma, Nos  
Hematopoiesis  
Leukocytosis, Nos  
Inflammation, Nos

Unspecified  
Uterus

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_034

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Kidney		Hyperplasia, Lymphoid
		Nephrosis, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Focal
Stomach	Forestomach	Squamous Cell Papilloma
Uterus		Adenocarcinoma, Nos
	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_035

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small  
Lymph node  
Mammary gland  
Pituitary gland  
Stomach  
  
Uterus

Mesentery Nos  
Mandibular Lymph Node  
  
Forestomach  
Forestomach  
Endometrium

Necrosis, Fat  
Hemosiderosis  
Cystic Disease  
Adenoma, Nos  
Hyperplasia, Epithelial  
Inflammation, Focal  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Lung		Hemorrhage
Lymph node	Mesenteric Lymph Node	Angiectasis
		Hyperplasia, Lymphoid
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Focal
	Forestomach	Ulcer, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Brain	Thalamus	Psammoma Bodies
Ovary		Cyst, Follicular Nos
Spleen		Hyperplasia, Lymphoid
Thyroid		Follicular-Cell Carcinoma
Unspecified	Abdominal Cavity	Leukemia, Lymphocytic
Uterus	Endometrium	Hyperplasia, Cystic
		Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Thyroid  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Degeneration, Cystic  
Hyperplasia, Lymphoid  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_039

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Brain  
Kidney

Cortex Nos  
Thalamus

Focal Cellular Change  
Psammoma Bodies  
Infarct, Healed  
Metaplasia, Osseous  
Adenoma, Nos  
Hyperplasia, Cystic

Pituitary gland  
Uterus

Endometrium

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_040

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Follicular Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_041

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Lung	Alveoli	Hyperplasia, Adenomatous Inflammation, Focal
Lymph node	Iliac Lymph Node	Hyperplasia, Nos
	Renal Lymph Node	Hyperplasia, Nos
Peritoneum		Inflammation, Nos
Spleen		Hematopoiesis
Uterus		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_042

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Ovary		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_043

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone marrow

Lung

Uterus

Alveolar Epithelium

Endometrium

Hyperplasia, Granulocytic  
Hyperplasia, Adenomatous  
Inflammation, Granulomatous Focal  
Endometrial Stromal Sarcoma  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_044

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Lung	Alveolar Epithelium	Alveolar/Bronchiolar Carcinoma Hyperplasia, Adenomatous Inflammation, Focal
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Hyperplasia, Focal
Thyroid		Degeneration, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain  
Intestine Small  
Liver  
Lung  
  
Thyroid

Thalamus  
Peyers Patch  
  
Alveolar Epithelium

Psammoma Bodies  
Hyperplasia, Lymphoid  
Hepatocellular Adenoma  
Hyperplasia, Adenomatous  
Inflammation, Focal  
Degeneration, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_046

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain

Thalamus

Psammoma Bodies

Ovary

Cyst, Follicular Nos

Pituitary gland

Adenoma, Nos

Uterus

Endometrium

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_047

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Necrosis, Focal
Thyroid		Degeneration, Cystic
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_048

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Psammoma Bodies
Ear	Canal	Hyperplasia, Epithelial
	Middle Ear	Inflammation, Suppurative
Lung	Alveoli	Histiocytosis
	Alveolar Epithelium	Hyperplasia, Adenomatous
Ovary		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Brain	Thalamus	Psammoma Bodies
Kidney		Inflammation, Chronic
		Metaplasia, Osseous
Liver		Leukocytosis, Nos
Lung		Histiocytosis
		Hyperplasia, Alveolar Epithelium
Lymph node	Abdominal Lymph Node	Angiectasis
Spleen		Hematopoiesis
Thyroid		Degeneration, Cystic
Unspecified	Multiple Organs Nos	Inflammation, Suppurative
	Multiple Organs Nos	Periarteritis
Uterus		Adenomyosis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04159  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** HC blue 1  
**CAS Number:** 2784-94-3

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:25:01  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_050

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Bone marrow		Hyperplasia, Granulocytic
Liver		Leukocytosis, Nos
Pituitary gland		Focal Cellular Change
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
	Multiple Organs Nos	Inflammation, Suppurative

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PRIMARY CAUSE OF DEATH

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**\*\* END OF REPORT \*\***