

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

<b>C Number:</b>	C04137
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Male

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_401

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Heart		Calcification, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_402

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney  
Unspecified

Multiple Organs Nos

Inflammation, Chronic  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_403

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocytomegaly
	Hyperplasia, Nodular
Stomach	Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_404

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver		Angiectasis Hepatocellular Carcinoma Necrosis, Focal
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas	Islets	Hyperplasia, Nos
Thymus		Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_405

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Pancreas	Islets	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_406

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hyperplasia, Nodular
Lung	Hyperplasia, Alveolar Epithelium

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_407

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Lung  
Unspecified

Multiple Organs Nos

Alveolar/Bronchiolar Carcinoma  
Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_408

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Intestine Large	Large Intestine, Colon	Nematodiasis
Lung		Alveolar/Bronchiolar Carcinoma
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_409

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Liver	Hepatocellular Carcinoma
Lung	Hyperplasia, Alveolar Epithelium

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_410

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver  
Lung

Hepatocellular Carcinoma  
Hyperplasia, Alveolar Epithelium

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_411

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Pancreas

Islets

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_412

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Heart  
Lung

Sarcoma, Nos  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_413

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_414

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Skin

Ulcer, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_415

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
  
Lung

Large Intestine, Colon

Nematodiasis  
Inflammation, Chronic  
Angiectasis  
Hepatocellular Carcinoma  
Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_416

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver		Hyperplasia, Nodular
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas	Islets	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_417

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
Urinary bladder

Large Intestine, Colon

Nematodiasis  
Inflammation, Chronic  
Hepatocellular Carcinoma  
Hyperplasia, Epithelial  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_418

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Bone marrow  
Kidney  
Liver

Hemangiosarcoma  
Inflammation, Chronic  
Angiectasis  
Hemangiosarcoma  
Hepatocellular Carcinoma  
Hyperplasia, Nos  
Cystic Ducts  
Inflammation, Chronic  
Hemangiosarcoma

Pancreas  
Preputial gland

Islets

Spleen

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_419

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Liver		Hepatocellular Carcinoma
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_420

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver  
Angiectasis  
Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_421

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland  
Brain  
Intestine Small  
Liver  
  
Lung  
Thyroid

Ileum  
  
Bile Duct

Pheochromocytoma  
Corpora Amylacea  
Cyst, Nos  
Cyst, Nos  
Hyperplasia, Nos  
Lymphoma, Histiocytic-Malignant Type  
Alveolar/Bronchiolar Adenoma  
Hyperplasia, Follicular Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_422

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Lung  
Preputial gland  
Stomach

Mucosa

Hyperplasia, Alveolar Epithelium  
Abscess, Nos  
Cyst, Multiple  
Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_423

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain  
Liver

Corpora Amylacea  
Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_424

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Pancreas	Acinus	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_425

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
	Myocardium Nos	Necrosis, Focal
Liver		Hepatocellular Carcinoma
Pancreas	Acinus	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_426

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain

Corpora Amylacea

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_427

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver  
Urinary bladder

Hepatocellular Carcinoma  
Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_428

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Intestine Small	Mesentery Nos	Cyst, Nos
Lymph node		Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_429

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Alveolar Epithelium
Lymph node	Mesenteric Lymph Node	Lymphoma, Mixed-Malignant Type
Thyroid		Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_430

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver

Angiectasis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_431

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Liver		Hepatocellular Carcinoma
		Necrosis, Focal
Lung		Alveolar/Bronchiolar Adenoma
Stomach		Ulcer, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_432

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Bone marrow  
Intestine Large  
Liver

Large Intestine, Colon

Lung

Lymph node  
Spleen  
Urinary bladder

Mesenteric Lymph Node

Angiectasis  
Nematodiasis  
Angiectasis  
Hepatocellular Carcinoma  
Necrosis, Focal  
Alveolar Macrophages  
Alveolar/Bronchiolar Carcinoma  
Hyperplasia, Alveolar Epithelium  
Hemorrhage  
Hematopoiesis  
Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_433

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Pancreas	Islets	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_434

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
	Necrosis, Focal
Preputial gland	Abscess, Nos
	Metaplasia, Squamous

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_435

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Angiectasis

Hemangiosarcoma

Hepatocellular Carcinoma

Stomach

Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_436

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Liver	Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_437

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Eye	Lacrimal Gland	Adenoma, Nos
Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
		Hyperplasia, Nodular
Pancreas	Islets	Hyperplasia, Nos
Unspecified		Fibrosarcoma
	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_438

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_439

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Pancreas	Islets	Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_440

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Alveolar/Bronchiolar Carcinoma
Thyroid	Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_442

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Intestine Large  
Liver

Rectum

Inflammation, Chronic Focal  
Angiectasis  
Hepatocellular Carcinoma  
Necrosis, Focal  
Inflammation, Acute  
Fibrosis, Diffuse  
Hemorrhage

Skin  
Spleen

Sebaceous Gland

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_443

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone	Parietal Bone	Osteosclerosis
Kidney	Pelvis	Dilatation, Nos
	Pelvis	Hyperplasia, Epithelial
	Pelvis	Inflammation, Suppurative
Preputial gland		Cystic Ducts

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_444

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Gall bladder  
Liver

Hyperplasia, Epithelial  
Hemangiosarcoma  
Hepatocellular Carcinoma  
Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_445

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney  
Liver

Inflammation, Chronic  
Angiectasis  
Hepatocellular Carcinoma  
Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_446

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_447

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Angiectasis
	Hemangiosarcoma
	Hepatocellular Carcinoma
	Necrosis, Focal
Lung	Hepatocellular Carcinoma, Metastatic
Spleen	Hematopoiesis

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_449

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver

Hemangiosarcoma  
Necrosis, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_450

**TRT#:** 1  
**DOSE:** 200 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lymph node	Mesenteric Lymph Node	Angiectasis
Pancreas	Islets	Hyperplasia, Nos
Unspecified	Adipose Tissue	Calcification, Focal
	Adipose Tissue	Inflammation, Focal

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_502

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney  
Prostate

Inflammation, Chronic  
Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_503

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Alveolar/Bronchiolar Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_505

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_506

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_507

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Heart		Thrombosis, Nos
Liver		Hepatocellular Carcinoma
		Necrosis, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_508

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
		Hepatocellular Carcinoma, Metastatic
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_509

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Nodular
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_510

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver	Angiectasis
	Hepatocellular Carcinoma
	Necrosis, Focal
Spleen	Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_511

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Focal
Liver		Angiectasis
	Bile Duct	Hepatocellular Carcinoma
		Hyperplasia, Nos
		Necrosis, Focal
Lymph node		Hyperplasia, Reticulum Cell

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_512

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney  
Liver

Inflammation, Chronic  
Angiectasis  
Hepatocellular Carcinoma

Pancreas  
Seminal vesicle  
Unspecified

Islets  
Multiple Organs Nos

Hyperplasia, Nos  
Dilatation, Nos  
Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_513

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Eye	Lacrimal Gland	Hyperplasia, Epithelial
Liver		Angiectasis
		Hemangiosarcoma
		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
Spleen		Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_514

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Brain  
Liver  
  
Lung

Cortex Nos

Cytomegaly  
Corpora Amylacea  
Angiectasis  
Hepatocellular Carcinoma  
Alveolar Macrophages

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_515

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Alveolar Macrophages

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_516

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_517

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Liver	Hepatocellular Carcinoma
Lung	Hyperplasia, Alveolar Epithelium
	Inflammation, Pyogranulomatous
Stomach	Inflammation, Suppurative
Thyroid	Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH** -

---



**Experiment Number:** C04137

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Proflavin hydrochloride

**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:41:44

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_518

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Lung

Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_519

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Kidney		Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
	Bronchiole	Inflammation, Suppurative
Stomach		Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_520

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Kidney		Inflammation, Chronic
Lung	Alveoli	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_521

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain  
Unspecified

Corpora Amylacea  
Granuloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_522

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Epididymis		Necrosis, Fat
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Lymphoma, Histiocytic-Malignant Type
Skeletal muscle		Neurofibrosarcoma, Invasive
Stomach		Hyperkeratosis
Unspecified		Neurofibrosarcoma

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_523

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Hyperplasia, Alveolar Epithelium
Unspecified	Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_524

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Angiectasis
	Hepatocellular Carcinoma
	Necrosis, Focal
Lung	Hepatocellular Carcinoma, Metastatic
	Hyperplasia, Alveolar Epithelium
Preputial gland	Cyst, Nos

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_525

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Liver	Hepatocellular Carcinoma
Lung	Hyperplasia, Alveolar Epithelium

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_526

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Intestine Large  
Unspecified

Anus Nos

Hyperplasia, Pseudoepitheliomatous  
Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_527

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Bronchopneumonia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_528

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_529

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_530

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Liver	Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_531

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Brain  
Intestine Large  
Liver  
Lung

Large Intestine, Colon

Corpora Amylacea  
Nematodiasis  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_532

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney  
Unspecified

Multiple Organs Nos

Inflammation, Chronic  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_533

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Brain		Corpora Amylacea
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
Stomach	Mucosa	Calcification, Focal
	Mucosa	Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_534

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Lung	Alveolar/Bronchiolar Carcinoma
Thyroid	Cystic Follicles

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_535

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
	Necrosis, Focal
Preputial gland	Cystic Ducts
Spleen	Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_536

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Eye  
Liver  
Lung

Cortex Nos  
Lacrimal Gland

Hyperplasia, Focal  
Hyperplasia, Nos  
Hepatocellular Carcinoma  
Alveolar Macrophages

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_537

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Hyperplasia, Nodular

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_538

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Liver	Hepatocellular Carcinoma
Skin	Acariasis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_539

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma
Skin	Acariasis
Spleen	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_540

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain  
Kidney  
Liver

Corpora Amylacea  
Inflammation, Chronic  
Hepatocytomegaly

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_541

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver  
Parathyroid gland  
Unspecified

Multiple Organs Nos

Necrosis, Focal  
Hyperplasia, Nos  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_542

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Lymph node	Mesenteric Lymph Node	Lymphoma, Lymphocytic-Malignant Type
Spleen		Hemangiosarcoma
Thyroid		Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_543

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Kidney	Inflammation, Chronic
Liver	Hyperplasia, Nodular
Spleen	Hematopoiesis
Unspecified	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_544

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney  
Liver

Inflammation, Chronic  
Angiectasis  
Hemangiosarcoma  
Hepatocellular Carcinoma  
Hemangiosarcoma

Spleen

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_545

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Intestine Small	Ileum	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Spleen		Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_546

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain		Corpora Amylacea
Liver		Hepatocellular Carcinoma
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_547

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Liver  
Parathyroid gland  
Unspecified

Multiple Organs Nos

Hepatocellular Carcinoma  
Adenoma, Nos  
Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_549

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Brain		Corpora Amylacea
Intestine Small	Ileum	Hyperplasia, Epithelial
Liver		Angiectasis
		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
Spleen		Hematopoiesis
Unspecified	Adipose Tissue	Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_550

**TRT#:** 2  
**DOSE:** 400 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Brain	Corpora Amylacea
Kidney	Inflammation, Chronic
Liver	Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Proflavin hydrochloride

**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 14:41:45

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_301

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Urinary bladder

Hyperplasia, Reticulum Cell

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_302

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Unspecified  
Urinary bladder

Multiple Organs Nos

Leukemia, Granulocytic  
Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_303

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver  
Urinary bladder

Hepatocellular Carcinoma  
Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_304

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

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Harderian gland  
Liver

Hardarian Gland

Bile Duct

Lung

Spleen

Hyperplasia, Focal  
Hyperplasia, Hematopoietic  
Papillary Cystadenoma, Nos  
Calcification, Nos  
Hepatocellular Carcinoma  
Hyperplasia, Focal  
Necrosis, Focal  
Alveolar/Bronchiolar Adenoma  
Hepatocellular Carcinoma, Metastatic  
Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_305

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

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Harderian gland  
Intestine Small  
Liver

Harderian Gland  
Ileum, Ileum

Lung  
Peritoneum  
Spleen

Papillary Cystadenoma, Nos  
Adenomatous Polyp, Nos  
Hepatocellular Carcinoma  
Necrosis, Focal  
Alveolar/Bronchiolar Adenoma  
Hemoperitoneum  
Erythropoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_306

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Liver  
Unspecified

Hepatocytes  
Multiple Organs Nos

Degeneration, Nos  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_307

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Urinary bladder

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_308

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Liver  
Peritoneum

Hyperplastic Nodule  
Hemoperitoneum

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_309

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Liver  
Unspecified

Multiple Organs Nos

Hyperplasia, Focal  
Hepatocellular Carcinoma  
Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_310

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

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Adrenal gland		Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Brain		Carcinoma, Nos, Metastatic
Harderian gland	Hardarian Gland	Carcinoma, Nos
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Carcinoma
Spleen		Hematopoiesis
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_311

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Urinary bladder

Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_312

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Lung  
Thyroid  
Urinary bladder

Alveoli  
Submucosa

Phagocytic Cell  
Carcinoma, Nos  
Edema, Nos  
Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_313

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Pyelonephritis, Nos
Liver	Hyperplasia, Nodular
	Necrosis, Focal
Lung	Transitional-Cell Carcinoma, Metastatic
Urinary bladder	Transitional-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_314

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

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Liver Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_315

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

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Harderian gland	Harderian Gland	Papillary Cystadenoma, Nos
Intestine Small	Ileum	Inflammation, Suppurative
	Ileum	Necrosis, Focal
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
		Perivascular Cuffing
Spleen	Red Pulp	Myelopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_316

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Kidney  
Lung  
Spleen  
Urinary bladder

Pelvis

Hyperplasia, Focal  
Squamous Cell Carcinoma, Metastatic  
Hematopoiesis  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_317

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Liver

Hyperplasia, Nodular  
Metamorphosis, Fatty  
Necrosis, Focal

Prostate

Squamous Cell Carcinoma, Metastatic

Urinary bladder

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_318

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver  
Hepatocellular Carcinoma  
Necrosis, Coagulative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_319

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

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Bone marrow  
Intestine Large  
Liver

Colon

Hyperplasia, Hematopoietic  
Nematodiasis  
Angiectasis  
Hepatocellular Carcinoma  
Necrosis, Focal  
Alveolar/Bronchiolar Carcinoma  
Hematopoiesis  
Calcification, Focal

Lung  
Spleen  
Testis

Tubule

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_320

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland

Hyperplasia, Focal

Pheochromocytoma

Bone marrow

Hyperplasia, Granulocytic

Kidney

Hyperplasia, Lymphoid

Liver

Hepatocellular Carcinoma

Necrosis, Focal

Lung

Hepatocellular Carcinoma, Metastatic

Lymph node

Mesenteric Lymph Node

Granulopoiesis

Spleen

Hematopoiesis

Thyroid

Hyperplasia, Follicular Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_321

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

**SEX:** Male  
**DISP:**

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

---

**OBSERVATIONS**

Intestine Large

Cecum, Colon

Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_322

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Hepatocellular Carcinoma  
Hyperplasia, Nodular

Lung

Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_323

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney  
Liver  
Lung  
Urinary bladder

Bronchus

Fibrosarcoma  
Hepatocellular Carcinoma  
Hyperplasia, Lymphoid  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_324

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Bone marrow	Hyperplasia, Hematopoietic
Kidney	Hyperplasia, Lymphoid
Liver	Hepatocellular Carcinoma
Lung	Alveolar/Bronchiolar Carcinoma
Spleen	Hematopoiesis
Urinary bladder	Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH** -

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_325

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

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Follicular Cell
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_001

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Liver  
Spleen

Hyperplasia, Hematopoietic  
Hyperplasia, Lymphoid  
Hepatocellular Carcinoma  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_002

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_003

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Adenoma
	Bile Duct	Hyperplasia, Focal
Spleen		Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_004

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Carcinoma
Lung		Alveolar Macrophages
		Hepatocellular Carcinoma, Metastatic
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Testis		Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_005

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Hyperplasia, Lymphoid
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_006

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Epididymis		Lymphocytic Inflammatory Infiltrate
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Liver		Angiectasis
	Bile Duct	Hepatocellular Carcinoma
		Hyperplasia, Focal
		Necrosis, Focal
Lung		Alveolar Macrophages
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hemangiosarcoma
Urinary bladder		Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Kidney  
Liver

Capsule

Hyperplasia, Focal  
Hyperplasia, Hematopoietic  
Hyperplasia, Lymphoid  
Calcification, Focal  
Fibrosis, Focal  
Necrosis, Coagulative  
Hyperplasia, Lymphoid  
Hematopoiesis

Lung  
Spleen

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_008

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Liver		Hemangioma
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hemangiosarcoma
Unspecified	Ear	Hemangioma
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_009

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Liver		Hepatocellular Carcinoma
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_010

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Adenoma
Lung	Bronchus	Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Kidney  
Liver  
Lung

Capsule

Hyperplasia, Focal  
Hyperplasia, Hematopoietic  
Hyperplasia, Lymphoid  
Hepatocellular Carcinoma  
Alveolar/Bronchiolar Carcinoma  
Hyperplasia, Lymphoid

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Convolutated Tubules	Degeneration, Hyaline
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_013

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_014

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Hyperplasia, Lymphoid
Liver		Angiectasis
	Kupffer Cell	Hyperplasia, Focal
		Necrosis, Coagulative
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Erythropoiesis
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_016

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Kidney		Hyperplasia, Reticulum Cell Pyelonephritis, Nos
Liver	Capsule	Fibrosis, Focal Fibrosis, Focal Hepatocellular Carcinoma Hyperplasia, Reticulum Cell Peliosis Hepatis
Lung		Congestion, Nos
Spleen		Hematopoiesis
Urinary bladder		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_017

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Thyroid		Hyperplasia, Follicular Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_018

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Kidney		Hyperplasia, Lymphoid
Liver	Bile Duct	Hyperplasia, Focal
	Bile Duct	Lymphocytic Inflammatory Infiltrate
Lung		Alveolar/Bronchiolar Adenoma
Spleen	Bronchus	Hyperplasia, Lymphoid
		Hematopoiesis
Stomach	Cardiac Stomach	Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Inflammation, Focal
		Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_019

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone marrow  
Liver

Hyperplasia, Hematopoietic  
Clear-Cell Change  
Hepatocellular Adenoma  
Lymphocytic Inflammatory Infiltrate  
Metamorphosis, Fatty  
Hyperplasia, Lymphoid

Bile Duct

Lung

Bronchus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_020

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Liver		Clear-Cell Change
		Hepatocellular Adenoma
Lung		Alveolar/Bronchiolar Adenoma
	Bronchus	Hyperplasia, Lymphoid
Pancreas	Islets	Hyperplasia, Nos
Spleen		Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_021

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Large	Colon	Nematodiasis
Intestine Small	Ileum, Ileum	Lymphoma, Mixed-Malignant Type
Kidney		Hyperplasia, Lymphoid
	Cortex	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
		Infarct, Nos
		Necrosis, Coagulative
Lung		Hepatocellular Carcinoma, Metastatic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_022

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Epididymis		Lymphocytic Inflammatory Infiltrate
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hepatocellular Adenoma
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Hyperplasia, Lymphoid
	Bronchiole	Inflammation, Suppurative
Lymph node	Mesenteric Lymph Node	Lymphoma, Mixed-Malignant Type
Pancreas		Cystic Ducts
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_023

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Epididymis		Lymphocytic Inflammatory Infiltrate
Intestine Small	Peyers Patch	Lymphoma, Mixed-Malignant Type
Kidney		Hyperplasia, Lymphoid
Liver	Bile Duct	Inflammation, Suppurative
Lung		Alveolar/Bronchiolar Adenoma
	Bronchus	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Testis		Atrophy, Nos
Thyroid		Follicular-Cell Carcinoma
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_024

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Hematopoietic
Harderian gland	Hardarian Gland	Papillary Cystadenoma, Nos
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Adenoma
Lung	Bronchus	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_025

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Adenoma
Lung	Bronchus	Hyperplasia, Lymphoid
	Bronchiole	Hyperplasia, Papillary
Spleen		Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_026

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Lung  
Spleen

Capsule  
  
Bronchus

Hyperplasia, Focal  
Hyperplasia, Lymphoid  
Hemorrhage  
Hyperplasia, Lymphoid  
Hemangioma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_027

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Lymph node  
Unspecified

Capsule  
Mandibular Lymph Node  
Multiple Organs Nos

Hyperplasia, Focal  
Hyperplasia, Hematopoietic  
Hemosiderosis  
Sarcoma, Granulocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_028

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Focal Necrosis, Focal
Skin	Ear	Inflammation, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_029

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Mesentery Nos	Fibrosis
	Peyers Patch	Hyperplasia, Lymphoid
	Mesentery Nos	Necrosis, Fat
Kidney		Hyperplasia, Lymphoid
Liver		Angiectasis
	Kupffer Cell	Hyperplasia, Focal
Pancreas	Islets	Hyperplasia, Nos
Spleen		Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_030

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney		Hyperplasia, Lymphoid
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Lymphoma, Mixed-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Lung  
Skin  
Spleen

Capsule  
  
Lower Leg

Hyperplasia, Nos  
Osteosarcoma, Metastatic  
Osteosarcoma  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_032

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Kidney

Amyloidosis  
Hyperplasia, Hematopoietic  
Amyloidosis  
Cyst, Multiple  
Inflammation, Chronic  
Amyloidosis  
Hematopoiesis

Spleen

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_033

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Amyloidosis
	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Inflammation, Interstitial
Intestine Small	Ileum, Ileum	Amyloidosis
	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Amyloidosis
		Hyperplasia, Lymphoid
		Inflammation, Chronic
Spleen		Amyloidosis
Stomach	Mucosa	Amyloidosis
	Cardiac Stomach	Hyperkeratosis
Thyroid		Amyloidosis

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_034

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Liver		Angiectasis
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Focal
	Bile Duct	Lymphocytic Inflammatory Infiltrate
Lung		Alveolar Macrophages
		Alveolar/Bronchiolar Carcinoma
Spleen		Hematopoiesis
		Hyperplasia, Lymphoid
Testis		Atrophy, Nos
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_035

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland  
Intestine Small

Capsule  
Peyers Patch  
Ileum, Ileum

Kidney  
Liver  
Spleen  
Thyroid  
Unspecified

Adipose Tissue

Hyperplasia, Focal  
Lymphoma, Mixed-Malignant Type  
Ulcer, Nos  
Hyperplasia, Lymphoid  
Hepatocellular Carcinoma  
Hematopoiesis  
Hyperplasia, Follicular Cell  
Inflammation, Chronic Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_036

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver  
Preputial gland  
Spleen  
Urethra  
Urinary bladder

Metamorphosis, Fatty  
Inflammation, Suppurative  
Hematopoiesis  
Obstruction, Nos  
Distention

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_037

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Liver

Capsule

Hyperplasia, Focal  
Angiosarcoma  
Necrosis, Nos  
Alveolar/Bronchiolar Adenoma  
Hematopoiesis

Lung  
Spleen

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_038

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Epididymis		Lymphocytic Inflammatory Infiltrate
Heart		Hemangioma
		Hepatocellular Carcinoma, Metastatic
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Carcinoma
Lung		Hepatocellular Carcinoma, Metastatic
Pancreas	Duct Nos	Lymphocytic Inflammatory Infiltrate
Spleen		Hematopoiesis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_039

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Liver		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung	Bronchus	Hyperplasia, Lymphoid
Preputial gland		Inflammation, Chronic Suppurative
Spleen		Hemosiderosis
Testis		Atrophy, Nos

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_040

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Carcinoma
Lung	Bronchus	Hyperplasia, Lymphoid
Thyroid		Cystic Follicles
		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_041

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Penis	Prepuce Nos Prepuce Nos	Acanthosis Hyperkeratosis Prolapse Calculus, Unknown Gross Or Micro Distention
Urethra		
Urinary bladder		

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_042

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Spleen

Pheochromocytoma  
Inflammation, Chronic Focal  
Hepatocellular Carcinoma  
Hematopoiesis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_043

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Liver

Capsule

Hyperplasia, Focal  
Hyperplasia, Hematopoietic  
Angiectasis  
Hepatocellular Carcinoma  
Hyperplasia, Focal  
Hyperplasia, Focal  
Necrosis, Focal  
Alveolar/Bronchiolar Adenoma  
Hepatocellular Carcinoma, Metastatic  
Hematopoiesis

Bile Duct  
Kupffer Cell

Lung

Spleen

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_044

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Kidney		Hyperplasia, Lymphoid
Liver		Hepatocellular Adenoma
Lung	Bronchus	Hyperplasia, Lymphoid
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_045

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Hyperplasia, Lymphoid
		Inflammation, Chronic Focal
Liver	Hepatocytes	Degeneration, Nos
		Hepatocellular Adenoma
Thyroid		Cystic Follicles

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_046

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Bone marrow  
Kidney  
Liver

Hyperplasia, Hematopoietic  
Hyperplasia, Lymphoid  
Angiectasis  
Hepatocellular Carcinoma  
Alveolar Macrophages  
Alveolar/Bronchiolar Carcinoma  
Congestion, Nos

Lung

Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_047

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Liver		Focal Cellular Change
Lung		Alveolar/Bronchiolar Carcinoma
Spleen	Bronchus	Hyperplasia, Lymphoid
Unspecified	Multiple Organs Nos	Hematopoiesis
		Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 4\_048

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Brain		Corpora Amylacea
Kidney		Hyperplasia, Lymphoid
Lung	Bronchus	Hyperplasia, Lymphoid
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_049

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Focal
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Hyperplasia, Lymphoid
Lung	Bronchus	Hyperplasia, Lymphoid
Spleen		Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C04137  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Proflavin hydrochloride  
**CAS Number:** 952-23-8

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:41:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 4\_050

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

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

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Liver		Hepatocellular Carcinoma
Spleen		Hyperplasia, Lymphoid
Urinary bladder	Submucosa	Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

---

**\*\* END OF REPORT \*\***