

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**C Number:** C54900

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Femur	Osteoporosis
Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Cortex	Cyst, Nos
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
		Nephropathy
		Pigmentation, Nos
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Pancreas	Islets	Islet-Cell Carcinoma
		Periarteritis
Prostate		Cystic Ducts
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Large

Colon

Inflammation, Chronic

Kidney

Pelvis

Calculus, Microscopic Examination

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Preputial gland

Pigmentation, Nos

Spleen

Inflammation, Suppurative

Testis

Atrophy, Nos

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Cyst, Follicular Nos

Urinary bladder

Follicle

Pigmentation, Nos

Calculus, Microscopic Examination

Leiomyosarcoma

Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Carcinoma, Nos
Prostate	Coagulating Gland	Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mineralization
	Multiple Organs Nos	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Metaplasia, Squamous
		Squamous Cell Papilloma
		Transitional-Cell Papilloma
		Carcinoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Leiomyosarcoma
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone		Fibrous Osteodystrophy
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Metaplasia, Squamous
		Pigmentation, Nos
		Squamous Cell Papilloma
		Transitional-Cell Carcinoma
		Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Hyperplasia, Epithelial

Prostate

Papilla

Inflammation, Acute Suppurative

Fibrosis

Hyperplasia, Epithelial

Inflammation, Acute/Chronic

Urethra

Hyperplasia, Epithelial

Urinary bladder

Hemorrhage

Hyperplasia, Epithelial

Inflammation, Acute Suppurative

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Inflammation, Chronic
		Nephropathy
Mammary gland		Hyperplasia, Focal
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Chronic Suppurative
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Pigmentation, Nos
Ureter		Hyperplasia, Epithelial
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Squamous Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54900

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: C.I. Disperse blue 1

CAS Number: 2475-45-8

Date Report Requested: 10/26/2014

Time Report Requested: 17:56:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
		Nephropathy
		Pigmentation, Nos
Mammary gland		Cystic Ducts
		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hyperplasia, Epithelial
		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Chronic
		Leiomyosarcoma

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Coronary Artery Nos	Mineralization
Heart		Inflammation, Interstitial
Intestine Large	Colon	Inflammation, Chronic Focal
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver	Centrilobular	Pigmentation, Nos
Parathyroid gland		Atrophy, Nos
Stomach	Glandular Stomach	Hyperplasia, Nos
	Glandular Stomach	Fibrosis
Thyroid	Follicle	Mineralization
Urinary bladder		Pigmentation, Nos
		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pigmentation, Nos
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Inflammation, Nos
		Sarcoma, Nos
Ureter		Calculus, Gross Observation Only
Urinary bladder		Hyperplasia, Epithelial
		Leiomyosarcoma
		Transitional-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Embryonal Duct
Urinary bladder		Calculus, Microscopic Examination Hyperplasia, Epithelial Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Urinary bladder

Hemorrhage

Hyperplasia, Epithelial

Leiomyosarcoma

Transitional-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Femur	Fibrous Osteodystrophy
	Skull	Fibrous Osteodystrophy
Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Nephrosis, Hydro
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Leiomyosarcoma
		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Skin		Keratoacanthoma
Stomach	Forestomach	Edema, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Calculus, Microscopic Examination

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Pelvis

Hyperplasia, Epithelial

Nephropathy

Nephrosis, Hydro

Thyroid

Cystic Follicles

Urinary bladder

Hyperplasia, Epithelial

Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54900

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: C.I. Disperse blue 1

CAS Number: 2475-45-8

Date Report Requested: 10/26/2014

Time Report Requested: 17:56:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
		Nephropathy
		Pigmentation, Nos
Mammary gland		Adenosis
Prostate		Hyperplasia, Epithelial
Thyroid		C-Cell Adenoma
	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Leiomyosarcoma
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos  
Pelvis  
Tubule  
Tubule

Cytoplasmic Vacuolization  
Inflammation, Chronic  
Calculus, Microscopic Examination  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Inflammation, Suppurative  
Abscess, Chronic  
Interstitial-Cell Tumor  
Pigmentation, Nos  
Leukemia, Mononuclear Cell  
Calculus, Gross Observation Only  
Hyperplasia, Epithelial  
Leiomyosarcoma  
Transitional-Cell Papilloma

Prostate  
Skin  
Testis  
Thyroid  
Unspecified  
Urinary bladder

Follicle  
Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Pigmentation, Nos
Ureter		Transitional-Cell Carcinoma
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Prostate		Hyperplasia, Epithelial
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Lip Nos	Abscess, Chronic
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Papillary
		Leiomyosarcoma
		Metaplasia, Squamous
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Pelvis

Tubule

Liver

Lymph node

Pancreas

Preputial gland

Inguinal Lymph Node

Prostate

Spleen

Testis

Urinary bladder

Hyperplasia, Hematopoietic

Inflammation, Interstitial

Calculus, Microscopic Examination

Cast, Nos

Nephropathy

Pigmentation, Nos

Hematopoiesis

Hyperplasia, Lymphoid

Atrophy, Focal

Carcinoma, Nos

Ulcer, Nos

Hyperplasia, Cystic

Inflammation, Chronic

Hematopoiesis

Hyperplasia, Interstitial Cell

Calculus, Microscopic Examination

Hyperplasia, Epithelial

Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Prostate		Inflammation, Suppurative
Salivary gland		Inflammation, Chronic Focal
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Nephrosis, Hydro
		Pigmentation, Nos
Pancreas		Inflammation, Interstitial
Stomach	Glandular Stomach	Inflammation, Necrotizing
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Inflammation, Chronic
		Nephropathy
		Pigmentation, Nos
Prostate		Inflammation, Chronic
Salivary gland		Inflammation, Chronic Focal
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Focal
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver		Pigmentation, Nos
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Hyperplasia, Epithelial
		Inflammation, Suppurative
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Ulcer, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Pigmentation, Nos
		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Cyst, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Tubule	Cast, Nos Inflammation, Chronic Nephropathy Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination Hyperplasia, Epithelial Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos  
Pelvis  
Tubule

Lung  
Pituitary gland  
Skin  
Thyroid  
Unspecified  
Urinary bladder

Dermis  
Follicle

Cytoplasmic Vacuolization  
Inflammation, Chronic  
Calculus, Microscopic Examination  
Cast, Nos  
Pigmentation, Nos  
Sarcoma, Nos, Metastatic  
Pigmentation, Nos  
Fibrosis  
Pigmentation, Nos  
Sarcoma, Nos  
Calculus, Gross Observation Only  
Hyperkeratosis  
Leiomyosarcoma  
Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Blood vessel

Mesenteric Artery Nos

Periarteritis

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Pelvis

Calculus, Microscopic Examination

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pancreas

Pigmentation, Nos

Testis

Hemorrhage

Thyroid

Follicle

Interstitial-Cell Tumor

Urinary bladder

Pigmentation, Nos

Hyperplasia, Epithelial

Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pigmentation, Nos
Liver		Angiectasis
Spleen		Hemosiderosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cystic Follicles
	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Metaplasia, Squamous
		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Inflammation, Suppurative

Pelvis

Necrosis, Nos

Nephrosis, Nos

Pigmentation, Nos

Stomach

Forestomach

Hyperplasia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Endocardium Nos	Inflammation, Fibrinous Inflammation, Interstitial
Kidney	Myocardium Nos	Mineralization
	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos Nephropathy
Preputial gland		Pigmentation, Nos
Thyroid	Follicle	Inflammation, Suppurative
Urinary bladder		Pigmentation, Nos
		Calculus, Gross Observation Only Hyperplasia, Epithelial Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Inflammation, Chronic
		Nephropathy
		Pigmentation, Nos
Liver	Capsule	Transitional-Cell Carcinoma, Metastatic
Lung		Transitional-Cell Carcinoma, Metastatic
Prostate		Transitional-Cell Carcinoma, Invasive
Thyroid		C-Cell Adenoma
		Follicular-Cell Carcinoma
	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Lymph node	Iliac Lymph Node	Cyst, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Metaplasia, Squamous
		Squamous Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos  
Pelvis  
Tubule  
Tubule

Cytoplasmic Vacuolization  
Inflammation, Chronic  
Calculus, Microscopic Examination  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Necrosis, Nos  
Pigmentation, Nos  
Steatitis  
Pigmentation, Nos  
Hyperplasia, Epithelial  
Leiomyosarcoma  
Pigmentation, Nos

Skin  
Testis

Epidermis  
Spermatid Cord Nos  
Spermatid Cord Nos  
Follicle

Thyroid  
Urinary bladder

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
		Nephropathy
		Pigmentation, Nos
Prostate		Inflammation, Chronic Suppurative
Testis	Spermatic Cord Nos	Inflammation, Hemorrhagic
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Hemosiderosis
		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
		Inflammation, Chronic
		Nephropathy
Prostate		Pigmentation, Nos
Testis	Tunica Vaginalis	Inflammation, Chronic Suppurative
Thyroid	Follicle	Mesothelioma, Nos
Urinary bladder		Pigmentation, Nos
		Hyperplasia, Epithelial
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
		Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Nephrosis, Hydro
		Pigmentation, Nos
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leiomyosarcoma, Invasive
	Adipose Tissue	Lipoma
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Transitional-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
		Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Edema, Nos
Mammary gland		Cystic Ducts
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Cystic
	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Suppurative
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
		Pigmentation, Nos
Spleen		Histiocytosis
		Pigmentation, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos Inflammation, Chronic Nephrosis, Hydro Nephrosis, Nos Pigmentation, Nos
Prostate	Pelvis	Ulcer, Nos Inflammation, Chronic
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination Hyperplasia, Epithelial Leiomyosarcoma Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
	Cortex	Cyst, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Atrophy, Nos
Prostate		Inflammation, Chronic
Seminal vesicle		Hyperplasia, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Pelvis	Hyperplasia, Epithelial
		Nephrosis, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Degeneration, Muroid
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Transitional-Cell Papilloma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Hepatic Vein	Thrombosis, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Transitional-Cell Carcinoma
		Degeneration, Cystic
		Sarcoma, Nos, Metastatic
Lung	Bronchiole	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Unspecified		Sarcoma, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 5000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney	Tubule	Calculus, Microscopic Examination
	Pelvis	Hyperplasia, Epithelial
		Pigmentation, Nos
Pituitary gland		Cyst, Nos
Urinary bladder		Hemorrhage
		Hyperplasia, Epithelial
		Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Testis		Pigmentation, Nos
		Atrophy, Nos
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Pigmentation, Nos
Urinary bladder		Leukemia, Mononuclear Cell
		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Cortex  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Cyst, Nos  
Degeneration, Nos  
Fibrosis, Diffuse  
Nephropathy  
Pigmentation, Nos  
Carcinoma, Nos  
Inflammation, Chronic Suppurative  
Hematopoiesis  
Atrophy, Nos  
Interstitial-Cell Tumor  
Follicular-Cell Carcinoma  
Pigmentation, Nos  
Fibroma  
Inflammation, Chronic Focal  
Pigmentation, Nos

Preputial gland  
Prostate  
Spleen  
Testis

Thyroid

Follicle

Unspecified  
Urinary bladder

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Liver

Pigmentation, Nos

Cytoplasmic Vacuolization

Lymph node

Bile Duct

Hyperplasia, Nos

Testis

Mandibular Lymph Node

Lymphangiectasis

Atrophy, Nos

Urinary bladder

Interstitial-Cell Tumor

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Tubule	Cast, Nos Nephrosis, Nos Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule  
Perirenal Tissue

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Hemorrhage  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Interstitial-Cell Tumor  
Pigmentation, Nos

Liver  
Testis  
Thyroid

Bile Duct  
  
Follicle

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Medulla

Pheochromocytoma

Intestine Small

Mesentery Nos

Edema, Nos

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Liver

Bile Duct

Pigmentation, Nos

Testis

Hyperplasia, Nos

Thyroid

Follicle

Interstitial-Cell Tumor

Unspecified

Pigmentation, Nos

Fibroma

Urinary bladder

Multiple Organs Nos

Leukemia, Mononuclear Cell

Pigmentation, Nos

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Lipoid

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Liver

Pelvis

Transitional-Cell Carcinoma

Pituitary gland

Bile Duct

Hyperplasia, Nos

Adenoma, Nos

Prostate

Angiectasis

Testis

Inflammation, Suppurative

Thyroid

Interstitial-Cell Tumor

Urinary bladder

Follicle

Hyperplasia, C Cell

Pigmentation, Nos

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Degeneration, Lipoid Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule Tubule	Cast, Nos Degeneration, Nos Nephropathy Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Blood vessel  
Kidney

Medulla  
Sup.Panc-Duod.Artery  
Tubule  
Tubule

Hyperplasia, Focal  
Hypertrophy, Nos  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Sarcoma, Nos  
Sarcoma, Nos, Metastatic  
Lymphangiectasis  
Pigmentation, Nos  
Hematopoiesis  
Atrophy, Nos  
Interstitial-Cell Tumor  
Pigmentation, Nos

Liver  
Lymph node

Renal Lymph Node  
Renal Lymph Node

Spleen  
Testis

Thyroid

Follicle

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Choroid Plexus Nos	Papilloma, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Mammary gland		Cystic Ducts
Pancreas	Islets	Islet-Cell Carcinoma
Skin	Nose	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Testis

Pigmentation, Nos

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos  
Tubule  
Tubule

Degeneration, Lipoid  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Adenoma, Nos  
Angiectasis  
Atrophy, Nos  
Interstitial-Cell Tumor  
C-Cell Adenoma  
Pigmentation, Nos  
Pigmentation, Nos

Pituitary gland

Testis

Thyroid

Urinary bladder

Follicle

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver		Pigmentation, Nos
		Degeneration, Cystic
Pancreas	Bile Duct	Hyperplasia, Nos
Skin	Acinus	Atrophy, Nos
Spleen		Squamous Cell Papilloma
Testis		Fibrosis, Focal
Thyroid		Atrophy, Nos
		Hyperplasia, C Cell
Unspecified	Follicle	Pigmentation, Nos
	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Mesothelioma, Nos
Urinary bladder		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Angiectasis  
Hyperplasia, Focal  
Keratoacanthoma  
Interstitial-Cell Tumor  
Hyperplasia, C Cell  
Pigmentation, Nos  
Pigmentation, Nos

Liver  
Pituitary gland

Bile Duct

Skin  
Testis  
Thyroid

Follicle

Urinary bladder

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54900

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: C.I. Disperse blue 1

CAS Number: 2475-45-8

Date Report Requested: 10/26/2014

Time Report Requested: 17:56:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Cortex	Cyst, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver		Pigmentation, Nos
		Degeneration, Cystic
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pituitary gland		Hyperplasia, Focal
Skin	Tail	Keratoacanthoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Testis

Pigmentation, Nos

Thyroid

Follicle

Interstitial-Cell Tumor

Urinary bladder

Pigmentation, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos  
Tubule  
Tubule

Cytologic Alteration, Nos  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Clear-Cell Change  
Angiectasis  
Carcinoma, Nos  
Inflammation, Suppurative  
Interstitial-Cell Tumor  
Hyperplasia, C Cell  
Pigmentation, Nos

Liver  
Pituitary gland

Prostate  
Testis  
Thyroid

Follicle

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver		Pigmentation, Nos
Pituitary gland		Cytoplasmic Vacuolization
Testis		Hyperplasia, Focal
Thyroid	Follicle	Interstitial-Cell Tumor
Urinary bladder		Pigmentation, Nos
		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Cortex

Cyst, Nos

Tubule

Degeneration, Nos

Nephropathy

Testis

Pigmentation, Nos

Thyroid

Interstitial-Cell Tumor

Follicle

Hyperplasia, C Cell

Urinary bladder

Pigmentation, Nos

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Mineralization

Heart

Medulla

Pheochromocytoma

Kidney

Myocardium Nos

Inflammation, Chronic

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Testis

Nephropathy

Pigmentation, Nos

Thyroid

Follicle

Atrophy, Nos

Interstitial-Cell Tumor

Urinary bladder

Pigmentation, Nos

Pigmentation, Nos

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Cyst, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Alveolar/Bronchiolar Carcinoma
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Carcinoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Pigmentation, Nos

Liver

Degeneration, Cystic

Testis

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Urinary bladder

Hyperplasia, Epithelial

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos  
Myocardium Nos  
Tubule  
Tubule

Degeneration, Lipoid  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Pyelonephritis, Focal  
Cytoplasmic Vacuolization  
Inflammation, Suppurative  
Interstitial-Cell Tumor  
Pigmentation, Nos  
Pigmentation, Nos

Liver  
Prostate  
Testis  
Thyroid  
Urinary bladder

Follicle

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Degeneration, Cystic
		Inflammation, Granulomatous Focal
Spleen		Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney

Medulla  
Myocardium Nos  
Mesentery Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Periarteritis  
Cast, Nos  
Degeneration, Nos  
Fibrosis, Diffuse  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Adenosis  
Hemorrhage  
Interstitial-Cell Tumor  
Pigmentation, Nos  
Leukemia, Mononuclear Cell  
Hemorrhage

Liver  
Mammary gland  
Spinal cord  
Testis  
Thyroid  
Unspecified  
Urinary bladder

Bile Duct

Follicle  
Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Inflammation, Granulomatous Focal
		Pigmentation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Jejunum	Hyperplasia, Epithelial
	Jejunum	Inflammation, Chronic Suppurative
	Mucosa, Jejunum	Ulcer, Nos
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver		Pigmentation, Nos
Mammary gland		Degeneration, Cystic
Pituitary gland		Cystic Ducts
		Adenoma, Nos
		Angiectasis
Prostate		Crystals, Nos
Testis		Inflammation, Suppurative
Thyroid	Follicle	Interstitial-Cell Tumor
Urinary bladder		Pigmentation, Nos
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Degeneration, Cystic  
Hyperplasia, Focal  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Cystic Follicles  
Pigmentation, Nos  
Hyperplasia, Epithelial  
Inflammation, Chronic  
Pigmentation, Nos

Liver  
Pituitary gland  
Testis

Thyroid

Follicle

Urinary bladder

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Fibroma
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Liver

Pigmentation, Nos

Degeneration, Cystic

Bile Duct

Hyperplasia, Nos

Prostate

Inflammation, Suppurative

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Axilla

Lipoma

Urinary bladder

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Inflammation, Granulomatous Focal
Mammary gland		Cystic Ducts
Skin	Tail	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
	Follicle	Pigmentation, Nos
Urethra	Bulbourethral Gland	Dilatation, Nos
Urinary bladder		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Fibrosis, Diffuse  
Nephropathy  
Pigmentation, Nos  
Pigmentation, Nos  
Adenosis  
Interstitial-Cell Tumor  
Pigmentation, Nos

Lymph node  
Mammary gland  
Testis  
Thyroid

Renal Lymph Node  
  
Follicle

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Lipoma
Urinary bladder		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Brain		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Hyperplasia, Epithelial
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Fibrosis, Diffuse

Nephropathy

Liver

Inflammation, Granulomatous Focal

Mammary gland

Cystic Ducts

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Angiectasis

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Urinary bladder

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Kidney

Medulla  
Colon  
Pelvis  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Calculus, Unknown Gross Or Micro  
Cast, Nos  
Nephrosis, Nos  
Pigmentation, Nos  
Necrosis, Focal  
Depletion, Lymphoid  
Hemorrhage  
Atrophy, Focal  
Inflammation, Chronic  
Pigmentation, Nos  
Sarcoma, Nos  
Sarcoma, Nos, Metastatic

Liver  
Lymph node

Bronchial Lymph Node  
Renal Lymph Node

Pancreas  
Prostate  
Thyroid  
Unspecified

Follicle  
Multiple Organs Nos  
Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Adenosis

Fibroadenoma

Skin

Tail

Squamous Cell Papilloma

Testis

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Degeneration, Lipoid Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule Tubule	Cast, Nos Degeneration, Nos Nephropathy
Liver		Pigmentation, Nos Cytoplasmic Vacuolization
Pituitary gland	Bile Duct	Hyperplasia, Nos Adenoma, Nos
Testis		Angiectasis Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
	Pigmentation, Nos	
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
	Spermatic Cord Nos	Steatitis
	Follicle	Pigmentation, Nos
Thyroid		Pigmentation, Nos
Urinary bladder		

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma, Malignant  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Cyst, Nos  
Carcinoma, Nos  
Squamous Cell Papilloma  
Fibrosis  
Atrophy, Nos  
Interstitial-Cell Tumor  
Pigmentation, Nos  
Pigmentation, Nos

Pituitary gland  
Preputial gland  
Skin  
Spleen  
Testis

Thyroid  
Urinary bladder

Follicle

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Inflammation, Interstitial

Kidney

Tubule

Cast, Nos

Nephrosis, Nos

Pigmentation, Nos

Lung

Inflammation, Acute Necrotizing

Spleen

Inflammation, Fibrinous

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos
Pituitary gland		Hyperplasia, Focal
Preputial gland		Cystic Ducts
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Deformity, Nos  
Hyperplasia, Nos  
Interstitial-Cell Tumor  
C-Cell Carcinoma  
Leukemia, Mononuclear Cell

Liver

Bile Duct

Testis  
Thyroid  
Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Eye		Hemorrhage
		Inflammation, Suppurative
Harderian gland	Harderian Gland	Carcinoma, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Lymph node	Mesenteric Lymph Node	Angiectasis
	Mandibular Lymph Node	Carcinoma, Nos, Metastatic
Preputial gland		Cystic Ducts
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Pancreas

Periarteritis

Testis

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Ear

Neurofibrosarcoma

Urinary bladder

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 1250 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cortical Adenoma

Heart

Cortex Nos

Degeneration, Lipoid

Kidney

Myocardium Nos

Hyperplasia, Focal

Atrium

Inflammation, Chronic

Tubule

Thrombosis, Nos

Tubule

Cast, Nos

Degeneration, Nos

Liver

Nephropathy

Pigmentation, Nos

Prostate

Bile Duct

Hepatocellular Carcinoma

Hyperplasia, Nos

Stomach

Forestomach

Inflammation, Chronic

Pigmentation, Nos

Testis

Squamous Cell Papilloma

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

Unspecified

Follicle

Pigmentation, Nos

Multiple Organs Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Accessory Structure

Heart

Medulla

Pheochromocytoma

Kidney

Tubule

Inflammation, Chronic

Tubule

Cast, Nos

Degeneration, Nos

Nephropathy

Liver

Bile Duct

Pigmentation, Nos

Prostate

Hyperplasia, Nos

Testis

Inflammation, Suppurative

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

Unspecified

Follicle

Pigmentation, Nos

Urinary bladder

Multiple Organs Nos

Leukemia, Mononuclear Cell

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54900

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: C.I. Disperse blue 1

CAS Number: 2475-45-8

Date Report Requested: 10/26/2014

Time Report Requested: 17:56:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_002

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos Medulla	Degeneration, Lipoid Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule Tubule Pelvis	Cast, Nos Degeneration, Nos Hyperplasia, Epithelial Nephropathy Pigmentation, Nos
Liver		Cytologic Alteration, Nos
Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Acinus	Atrophy, Nos
Prostate		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only Hyperplasia, Epithelial Metaplasia, Squamous Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Angiectasis
		Cyst, Nos
		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Inflammation, Chronic
Kidney	Tubule	Cast, Nos
		Inflammation, Chronic
		Nephrosis, Hydro
		Nephrosis, Nos
		Pigmentation, Nos
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Groin	Fibroma
Urinary bladder		Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
	Medulla	Pheochromocytoma
Bone	Skull	Hyperostosis
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone		Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
		Nephropathy
		Pigmentation, Nos
Mammary gland		Adenosis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Cortex  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Cyst, Nos  
Degeneration, Nos

Pelvis

Fibrosis, Diffuse  
Hyperplasia, Epithelial  
Nephropathy

Liver  
Skin  
Testis  
Thyroid

Bile Duct

Pigmentation, Nos  
Hyperplasia, Nos  
Keratoacanthoma  
Interstitial-Cell Tumor  
C-Cell Adenoma

Unspecified  
Urinary bladder

Follicle  
Multiple Organs Nos

Pigmentation, Nos  
Leukemia, Mononuclear Cell  
Hyperplasia, Epithelial  
Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Eye		Fibrosis Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule Tubule	Cast, Nos Degeneration, Nos Nephropathy Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Prostate		Hyperplasia, Epithelial Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only Hyperplasia, Epithelial Inflammation, Chronic Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Cornea	Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Plasmacytosis
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Salivary gland		Inflammation, Chronic
Skin	Head Nos	Sarcoma, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Bone		Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Cortex	Cyst, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Leukocytosis, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Skin	Tail	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Angiectasis

Bone

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Fibrous Osteodystrophy

Kidney

Tubule

Inflammation, Chronic

Cast, Nos

Degeneration, Nos

Inflammation, Chronic

Nephrosis, Hydro

Pigmentation, Nos

Parathyroid gland

Hyperplasia, Nos

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Keratoacanthoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney

Medulla  
Myocardium Nos  
Ileum, Ileum  
Tubule  
Tubule  
Pelvis

Liver  
Prostate  
Testis

Thyroid

Urinary bladder

Pheochromocytoma  
Inflammation, Chronic  
Sarcoma, Nos  
Cast, Nos  
Degeneration, Nos  
Hyperplasia, Epithelial  
Nephropathy  
Pigmentation, Nos  
Cytologic Alteration, Nos  
Hyperplasia, Epithelial  
Atrophy, Nos  
Interstitial-Cell Tumor  
C-Cell Adenoma  
Pigmentation, Nos  
Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal
Bone		Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule Tubule	Cast, Nos Degeneration, Nos Nephropathy Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Stomach	Mucosa	Mineralization
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only Transitional-Cell Papilloma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Pancreas	Acinus	Atrophy, Nos
Skin	Face	Squamous Cell Papilloma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Bone	Skull	Hyperostosis
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Mammary gland		Fibroadenoma
Prostate		Hyperplasia, Epithelial
Skin	Tail	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Chronic Suppurative
		Metaplasia, Squamous
		Transitional-Cell Carcinoma
		Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland	Mammary Lobule	Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Carcinoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Pelvis

Hyperplasia, Epithelial

Nephropathy

Liver

Bile Duct

Pigmentation, Nos

Testis

Hyperplasia, Nos

Thyroid

Follicle

Interstitial-Cell Tumor

Urinary bladder

Pigmentation, Nos

Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Brain  
Heart  
Intestine Small  
Kidney

Medulla  
Cerebellum Nos  
  
Mesentery Nos  
Tubule

Liver

Bile Duct

Unspecified  
Urinary bladder

Multiple Organs Nos

Pheochromocytoma  
Hemorrhage  
Inflammation, Interstitial  
Hemorrhage  
Cast, Nos  
Nephrosis, Nos  
Pigmentation, Nos  
Hepatocellular Carcinoma  
Hyperplasia, Nos  
Necrosis, Coagulative  
Thrombosis, Nos  
Leukemia, Mononuclear Cell  
Calculus, Gross Observation Only  
Hemorrhage

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Pheochromocytoma
Brain	Cerebellum Nos	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule Tubule	Cast, Nos Degeneration, Nos Nephropathy Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos Angiectasis
Prostate		Inflammation, Suppurative
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hyperplasia, Epithelial Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Medulla

Hyperplasia, Focal

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Thyroid

Follicle

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Urinary bladder

Hyperplasia, Epithelial

Submucosa

Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Tubule	Cast, Nos
	Cortex	Cyst, Nos
		Fibrosis, Diffuse
		Inflammation, Chronic
		Nephrosis, Hydro
		Nephrosis, Nos
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Cyst, Nos
	Mesenteric Lymph Node	Depletion, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Small  
Kidney

Medulla  
Myocardium Nos  
Jejunum  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Adenocarcinoma, Nos  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Hyperplasia, Epithelial  
Inflammation, Suppurative  
Interstitial-Cell Tumor  
Pigmentation, Nos  
Calculus, Gross Observation Only  
Hyperplasia, Epithelial

Liver  
Prostate

Bile Duct

Testis  
Thyroid  
Urinary bladder

Follicle

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Carcinoma, Nos
		Hyperplasia, Epithelial
		Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Pigmentation, Nos
Liver	Centrilobular	Degeneration, Nos
Preputial gland		Cystic Ducts
Stomach	Forestomach	Hyperkeratosis
Unspecified	Multiple Organs Nos	Carcinoma, Nos
Urinary bladder		Hyperplasia, Epithelial
		Leiomyoma
		Metaplasia, Squamous

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Lipoid
	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Microscopic Examination
		Hyperplasia, Epithelial
		Metaplasia, Squamous
		Pigmentation, Nos
		Sarcoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Angiectasis
	Medulla	Pheochromocytoma
Bone		Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
	Myocardium Nos	Mineralization
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
		Nephropathy
		Pigmentation, Nos
Lung		Inflammation, Interstitial
Mammary gland		Adenosis
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Cystic Ducts
		Inflammation, Chronic
Spleen		Fibrosis, Focal
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Pancreas	Acinus	Pigmentation, Nos
		Atrophy, Nos
	Islets	Islet-Cell Adenoma
Testis	Follicle	Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid	Follicle	Hyperplasia, C Cell
		Pigmentation, Nos
Urinary bladder	Follicle	Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver		Pigmentation, Nos
		Angiectasis
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Scrotum	Edema, Nos
	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Degeneration, Lipoid

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Nos

Nephropathy

Pancreas

Pigmentation, Nos

Cyst, Hemorrhagic

Periarteritis

Spleen

Congestion, Nos

Thyroid

Follicle

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos

Pelvis

Degeneration, Nos  
Hyperplasia, Epithelial  
Nephropathy

Liver  
Pituitary gland  
Preputial gland

Bile Duct

Pigmentation, Nos  
Hyperplasia, Nos  
Adenoma, Nos

Prostate  
Testis

Cystic Ducts  
Abscess, Nos

Thyroid

Follicle

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Pigmentation, Nos  
Leukemia, Mononuclear Cell

Urinary bladder

Hyperplasia, Epithelial  
Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Calculus, Unknown Gross Or Micro
	Tubule	Cast, Nos
		Nephropathy
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
	Mandibular Lymph Node	Cyst, Nos
Pituitary gland		Cyst, Nos
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver		Pigmentation, Nos
		Cytoplasmic Vacuolization
		Leukocytosis, Nos
Pancreas	Acinus	Atrophy, Focal
Prostate		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Mammary gland		Pigmentation, Nos
Prostate		Cystic Ducts
Testis		Hyperplasia, Epithelial
Thyroid		Interstitial-Cell Tumor
		Hyperplasia, C Cell
	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Cyst, Nos
		Metaplasia, Squamous
		Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Hyperplasia, Epithelial  
Atrophy, Nos  
Interstitial-Cell Tumor  
Pigmentation, Nos  
Calculus, Gross Observation Only  
Hyperplasia, Epithelial  
Metaplasia, Squamous  
Squamous Cell Papilloma

Liver  
Prostate  
Testis

Bile Duct

Thyroid  
Urinary bladder

Follicle

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Mammary gland	Mammary Lobule	Hyperplasia, Nos
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Calculus, Gross Observation Only
		Squamous Cell Carcinoma
		Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephrosis, Hydro
		Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Inflammation, Chronic
		Metaplasia, Squamous
		Transitional-Cell Papilloma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Inflammation, Interstitial  
Interstitial-Cell Tumor  
C-Cell Adenoma  
Cyst, Thyroglossal Duct  
Pigmentation, Nos  
Leukemia, Mononuclear Cell  
Calculus, Gross Observation Only  
Hyperplasia, Epithelial  
Metaplasia, Squamous  
Transitional-Cell Papilloma

Liver  
Lung  
Testis  
Thyroid

Bile Duct

Unspecified  
Urinary bladder

Follicle  
Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Pancreas	Acinus	Atrophy, Nos
	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Blood vessel	Hepatic Vein	Thrombosis, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Steatitis
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver	Bile Duct	Pigmentation, Nos
		Hyperplasia, Nos
		Necrosis, Coagulative
Pancreas	Acinus	Atrophy, Nos
Seminal vesicle		Atrophy, Nos
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Metaplasia, Squamous
		Pigmentation, Nos
		Transitional-Cell Carcinoma
		Transitional-Cell Papilloma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Ear	Middle Ear	Inflammation, Suppurative
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Bronchopneumonia, Acute
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Calculus, Gross Observation Only
		Hyperplasia, Epithelial
		Leiomyosarcoma
		Transitional-Cell Carcinoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Pheochromocytoma
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
Liver	Bile Duct	Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Pancreas		Cystic Ducts
Prostate		Periarteritis
Testis		Inflammation, Suppurative
Thyroid		Interstitial-Cell Tumor
	Follicle	Hyperplasia, Cystic
		Pigmentation, Nos
Tongue		Pigmentation, Nos
Urinary bladder		Squamous Cell Papilloma
		Hyperplasia, Epithelial
		Leiomyosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Cortex  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Cyst, Multiple  
Degeneration, Nos  
Inflammation, Interstitial  
Nephropathy  
Pigmentation, Nos  
Tubular-Cell Adenocarcinoma  
Hyperplasia, Epithelial  
Keratoacanthoma  
Interstitial-Cell Tumor  
Pigmentation, Nos

Prostate  
Skin  
Testis  
Thyroid

Follicle

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Mineralization
Kidney	Tubule	Cast, Nos
	Papilla	Necrosis, Nos
		Pigmentation, Nos
Preputial gland		Cyst, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Medulla  
Myocardium Nos  
Tubule  
Tubule

Pheochromocytoma  
Inflammation, Chronic  
Cast, Nos  
Degeneration, Nos  
Nephropathy  
Pigmentation, Nos  
Hyperplasia, Nos  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor  
Pigmentation, Nos

Liver  
Testis

Bile Duct

Thyroid

Follicle

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney	Pelvis	Hemorrhage
		Inflammation, Chronic
	Medulla	Inflammation, Suppurative
		Nephrosis, Hydro
		Nephrosis, Nos
		Pigmentation, Nos
Lymph node	Renal Lymph Node	Depletion, Lymphoid
	Renal Lymph Node	Hemorrhage
Pancreas		Atrophy, Focal
Preputial gland		Hyperplasia, Cystic
		Inflammation, Acute
Prostate		Hemorrhage
		Inflammation, Acute
Stomach	Muscularis	Inflammation, Acute Focal
Urinary bladder		Calculus, Gross Observation Only
		Hemorrhage
		Inflammation, Acute

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Kidney

Tubule

Tubule

Accessory Structure

Cast, Nos

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Lung

Prostate

Skin

Testis

Tail

Alveolar/Bronchiolar Adenoma

Hyperplasia, Epithelial

Squamous Cell Papilloma

Atrophy, Nos

Interstitial-Cell Tumor

Thyroid

Urinary bladder

Follicle

Pigmentation, Nos

Hyperplasia, Epithelial

Pigmentation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Cast, Nos

Nephrosis, Nos

Pigmentation, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Urinary bladder

Congestion, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
		Nephropathy
		Pigmentation, Nos
Mammary gland		Cystic Ducts
Pancreas	Acinus	Atrophy, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid	Follicle	Pigmentation, Nos
Urinary bladder		Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 3\_050

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 2500 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel	Aorta Nos	Mineralization
Bone	Femur	Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic
	Myocardium Nos	Mineralization
Kidney	Pelvis	Calculus, Microscopic Examination
	Tubule	Cast, Nos
	Cortex	Cyst, Multiple
	Tubule	Degeneration, Nos
		Fibrosis, Diffuse
		Nephropathy
		Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Ureter		Calculus, Unknown Gross Or Micro

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_001

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Follicular-Cell Carcinoma

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_002

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Hyperplasia, Focal  
Cataract

Heart  
Kidney  
Liver

Myocardium Nos

Retinopathy  
Inflammation, Chronic  
Nephropathy  
Degeneration, Cystic

Testis  
Unspecified

Bile Duct

Hyperplasia, Nos  
Interstitial-Cell Tumor

Tail

Squamous Cell Carcinoma

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_003

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Inflammation, Interstitial
Kidney		Inflammation, Chronic
		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_004

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified		Inflammation, Chronic Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_005

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Liver

Nephropathy

Lung

Leukocytosis, Nos

Mammary gland

Alveolar/Bronchiolar Adenoma

Pituitary gland

Cystic Ducts

Prostate

Adenoma, Nos

Angiectasis

Inflammation, Chronic Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_006

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Pheochromocytoma

Cataract

Hemorrhage

Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Degeneration, Cystic

Mammary gland

Fibroadenoma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_007

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Skin

Nephropathy

Testis

Tail

Adnexal Adenoma

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Cataract

Retinopathy

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Fibroadenoma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_009

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hyperplasia, Epithelial
Skin	Tail	Hyperkeratosis
	Tail	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_010

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Liver

Nephropathy

Cytoplasmic Vacuolization

Centrilobular

Degeneration, Nos

Hematopoiesis

Lung

Leukocytosis, Nos

Lymph node

Axillary Lymph Node

Hyperplasia, Lymphoid

Prostate

Inflammation, Suppurative

Skin

Axilla

Squamous Cell Carcinoma

Spleen

Hematopoiesis

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_011

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Eye	Retina	Atrophy, Nos
Heart		Inflammation, Interstitial
Kidney		Nephrosis, Nos
		Pigmentation, Nos
Mammary gland		Pigmentation, Nos
Pancreas		Inflammation, Chronic Focal
Prostate		Inflammation, Suppurative
Skeletal muscle	Leg	Liposarcoma
Spleen		Sarcoma, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_012

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Angiectasis

Congestion, Chronic Passive

Lung

Focal Cellular Change

Mammary gland

Inflammation, Interstitial

Pituitary gland

Cystic Ducts

Adenoma, Nos

Prostate

Angiectasis

Hyperplasia, Epithelial

Spleen

Inflammation, Suppurative

Testis

Fibrosis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_013

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Pheochromocytoma

Kidney  
Mammary gland  
Pituitary gland

Cataract

Retinopathy

Nephropathy

Cystic Ducts

Adenoma, Nos

Angiectasis

Prostate

Inflammation, Suppurative

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_014

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Hyperplasia, Focal  
Cataract

Kidney

Retinopathy

Liver

Nephropathy

Pancreas

Bile Duct

Hyperplasia, Nos

Pituitary gland

Acinus

Atrophy, Nos

Preputial gland

Adenoma, Nos

Testis

Angiectasis

Unspecified

Carcinoma, Nos

Interstitial-Cell Tumor

Multiple Organs Nos

Leukemia, Mononuclear Cell

Multiple Organs Nos

Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_015

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Hyperplasia, Focal  
Cataract

Heart  
Kidney

Myocardium Nos

Retinopathy  
Inflammation, Chronic  
Nephropathy

Testis

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor  
Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_016

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Eye

Cortex Nos

Cytologic Alteration, Nos  
Cataract

Heart  
Intestine Large  
Intestine Small  
Kidney  
Liver

Myocardium Nos  
Colon  
Peyers Patch

Retinopathy  
Inflammation, Chronic  
Parasitism  
Hyperplasia, Lymphoid  
Nephropathy  
Angiectasis  
Lymphocytic Inflammatory Infiltrate  
Interstitial-Cell Tumor  
Cystic Follicles  
Leukemia, Mononuclear Cell

Testis  
Thyroid  
Unspecified

Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_017

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Skin

Nephropathy

Testis

Sebaceous Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_018

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Lung

Nephropathy

Pancreas

Acinus

Liposarcoma, Metastatic

Testis

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_019

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Accessory Structure

Eye

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Cataract

Kidney

Retinopathy

Liver

Inflammation, Chronic

Testis

Nephropathy

Thyroid

Spermatic Cord Nos

Degeneration, Cystic

Interstitial-Cell Tumor

Steatitis

C-Cell Carcinoma

Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_020

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Pituitary gland

Nephropathy

Testis

Adenoma, Nos

Angiectasis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_021

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Heart

Myocardium Nos

Retinopathy

Kidney

Inflammation, Chronic

Liver

Nephropathy

Bile Duct

Degeneration, Cystic

Pituitary gland

Hyperplasia, Nos

Testis

Neoplastic Nodule

Thyroid

Hyperplasia, Focal

Interstitial-Cell Tumor

Degeneration, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_022

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Pheochromocytoma

Cataract

Heart  
Kidney  
Liver

Myocardium Nos

Retinopathy

Inflammation, Chronic

Nephropathy

Cytoplasmic Vacuolization

Skin  
Testis  
Unspecified

Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Basal-Cell Carcinoma

Interstitial-Cell Tumor

Fibroma

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_023

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Eye		Cataract
		Retinopathy
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Stomach	Forestomach	Edema, Nos
	Submucosa	Edema, Nos
	Mucosa	Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified		Fibrosarcoma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_024

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Skin	Lip Nos	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_025

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Eye

Medulla

Hyperplasia, Focal  
Cataract

Heart  
Kidney

Myocardium Nos

Retinopathy  
Inflammation, Chronic  
Nephropathy

Pancreas  
Testis

Acinus

Hyperplasia, Focal  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_026

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Preputial gland

Angiectasis

Prostate

Inflammation, Chronic

Skin

Inflammation, Chronic Suppurative

Testis

Keratoacanthoma

Thyroid

Hyperplasia, Interstitial Cell

Cyst, Embryonal Duct

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_027

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bronchus

Lymphocytic Inflammatory Infiltrate

Prostate

Inflammation, Suppurative

Skin

Keratoacanthoma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_028

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_029

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Ducts
		Fibroadenoma
Pituitary gland		Angiectasis
		Carcinoma, Nos
Prostate		Inflammation, Chronic Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_030

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Pituitary gland

Neoplastic Nodule

Adenoma, Nos

Prostate

Cyst, Nos

Unspecified

Inflammation, Suppurative

Multiple Organs Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_031

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland	Mammary Lobule	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_032

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Lung

Leukocytosis, Nos

Pancreas

Acinus

Atrophy, Nos

Spleen

Hematopoiesis

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Mesothelioma, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_033

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart	Myocardium Nos	Inflammation, Chronic
Liver		Cytoplasmic Vacuolization
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Suppurative
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic
	Forestomach	Ulcer, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified		Lipoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_034

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Degeneration, Nos

Bile Duct

Hyperplasia, Nos

Skin

Thrombosis, Nos

Testis

Keratoacanthoma

Unspecified

Interstitial-Cell Tumor

Multiple Organs Nos

Leukemia, Mononuclear Cell

Multiple Organs Nos

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_036

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Cytologic Alteration, Nos

Testis

Atrophy, Nos

Unspecified

Interstitial-Cell Tumor

Fibroma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_037

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Angiectasis
Testis		Carcinoma, Nos
		Atrophy, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_038

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_039

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver		Leukocytosis, Nos
Spleen		Congestion, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Pituitary gland

Adenoma, Nos

Angiectasis

Preputial gland

Carcinoma, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_041

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Pancreas		Periarteritis
Pituitary gland		Hyperplasia, Focal
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

---

**ANIMAL ID:** 4\_042

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Mammary gland

Adenosis

Pancreas

Islets

Islet-Cell Adenoma

Prostate

Inflammation, Chronic

Testis

Atrophy, Nos

Thyroid

Interstitial-Cell Tumor

Unspecified

Hyperplasia, Cystic

Fibroma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_043

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain		Granular-Cell Tumor, Malignant
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Centrilobular	Degeneration, Nos
Lung		Congestion, Nos
Preputial gland		Carcinoma, Nos
		Inflammation, Suppurative
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
Urinary bladder	Submucosa	Hemorrhage

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

**ANIMAL ID:** 4\_044

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Cystic Ducts
Preputial gland		Carcinoma, Nos
Prostate		Hyperplasia, Epithelial
		Inflammation, Suppurative
Skeletal muscle	Cremaster Muscle	Steatitis
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Thyroglossal Duct
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_045

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Medulla

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Neoplastic Nodule

Seminal vesicle

Fibroadenoma

Testis

Hyperplasia, Epithelial

Unspecified

Multiple Organs Nos

Atrophy, Nos

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_046

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Centrilobular	Degeneration, Nos
Preputial gland		Cystic Ducts
		Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_047

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Kidney  
Liver  
Pituitary gland

Prostate  
Testis

Nephropathy  
Cytoplasmic Vacuolization  
Angiectasis  
Carcinoma, Nos  
Inflammation, Suppurative  
Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_048

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Degeneration, Nos
Brain		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Coagulative
Preputial gland		Cystic Ducts
		Inflammation, Suppurative
Seminal vesicle		Atrophy, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Cystic
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_049

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Nephropathy
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54900

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** C.I. Disperse blue 1

**CAS Number:** 2475-45-8

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

**Time Report Requested:** 17:56:53

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

**Lab:** NA

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**ANIMAL ID:** 4\_050

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Pituitary gland

Testis

Unspecified

Bile Duct

Multiple Organs Nos

Nephropathy

Hyperplasia, Nos

Cyst, Nos

Interstitial-Cell Tumor

Fibroma

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***