

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**C Number:** C54773

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
		Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Metaplasia, Squamous
		Pneumonia, Interstitial Chronic
Mammary gland		Inflammation, Pyogranulomatous
Pituitary gland		Adenoma, Nos
Prostate		Hypertrophy, Nos
Stomach	Forestomach	Hyperkeratosis

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Stomach	Forestomach	Hyperplasia, Nos
	Forestomach	Keratoacanthoma
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Interstitial Chronic
Pancreas		Hyperplasia, Nodular
Stomach	Forestomach	Squamous Cell Carcinoma
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pituitary gland		Cyst, Nos
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Urinary bladder		Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Ear		Fibrosarcoma
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos
		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis	Scrotum Nos	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Eye		Cataract
Heart	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
		Squamous Cell Carcinoma
Lymph node	Mediastinal Lymph Node	Edema, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Nos
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54773

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dimethyl hydrogen phosphite

CAS Number: 868-85-9

Date Report Requested: 10/26/2014

Time Report Requested: 14:34:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Moribund Sacrifice

HISTO:

**OBSERVATIONS**

Eye		Phthisis Bulbi
Kidney		Nephropathy
Liver		Congenital Malformation, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Metaplasia, Squamous
		Pneumonia, Interstitial Chronic
		Squamous Cell Carcinoma
Pancreas	Islets	Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Spleen		Hemosiderosis
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Atrium	Thrombosis, Nos
Kidney		Infarct, Acute
		Thrombosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Necrosis, Nos
		Thrombosis, Nos
Lung		Congestion, Nos
		Hyperplasia, Adenomatous
Pituitary gland		Cyst, Nos
Salivary gland		Atrophy, Nos
Spleen		Hematopoiesis
		Necrosis, Nos
Stomach	Forestomach	Hyperplasia, Nos
		Periarteritis
Testis		Hyperplasia, Interstitial Cell
		Infarct, Acute
		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Periarteritis

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos Hyperplasia, Adenomatous Pneumonia, Interstitial Chronic
Lung		Atrophy, Nos
Pancreas		Adenoma, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Eye		Cataract
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified		Fibroma
Urinary bladder		Periarteritis

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Heart		Fibrosis
Intestine Large	Large Intestine, Colon	Parasitism
Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_014

**TRT#:** 1  
**DOSE:** 200.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Brain	Cerebellum Nos	Mineralization
Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Adenomatous
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Cyst, Nos
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart		Squamous Cell Carcinoma, Invasive
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
		Squamous Cell Carcinoma
Lymph node	Mesenteric Lymph Node	Inflammation, Pyogranulomatous
	Mesenteric Lymph Node	Necrosis, Nos
Pancreas		Atrophy, Nos
Stomach		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Squamous Cell Carcinoma, Invasive

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Lung

Pneumonia, Interstitial Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Mesothelioma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Squamous Cell Carcinoma, Invasive
Kidney		Nephropathy
Liver	Centrilobular	Necrosis, Nos
Lung		Pneumonia, Interstitial Chronic
		Squamous Cell Carcinoma
Testis		Atrophy, Nos
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Pancreas

Pituitary gland

Testis

Thyroid

Hematopoiesis

Cataract

Nephropathy

Cytoplasmic Change, Basophilic

Alveolar/Bronchiolar Carcinoma

Hyperplasia, Adenomatous

Hyperplasia, Alveolar Epithelium

Pneumonia, Interstitial Chronic

Atrophy, Nos

Hemosiderosis

Hypertrophy, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Brain	Cerebellum Nos	Mineralization
Eye		Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Adenomatous
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Pancreas		Atrophy, Nos
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:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Pituitary gland		Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54773

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dimethyl hydrogen phosphite

CAS Number: 868-85-9

Date Report Requested: 10/26/2014

Time Report Requested: 14:34:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland

Angiectasis

Brain

Cerebellum Nos

Hematopoiesis

Eye

Retina

Mineralization

Atrophy, Nos

Heart

Cataract

Kidney

Fibrosis

Liver

Nephropathy

Lung

Bile Duct

Cytoplasmic Vacuolization

Hyperplasia, Nos

Prostate

Hyperplasia, Adenomatous

Skin

Hyperplasia, Alveolar Epithelium

Stomach

Pneumonia, Interstitial Chronic

Testis

Hypertrophy, Focal

Thyroid

Squamous Cell Papilloma

Unspecified

Hyperplasia, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_024

**TRT#:** 1  
**DOSE:** 200.0 MG/KG

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

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Angiectasis Hematopoiesis
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
	Periportal	Hypertrophy, Nos
Lung		Alveolar/Bronchiolar Adenoma Hyperplasia, Adenomatous Pneumonia, Interstitial Chronic
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma Hyperplasia, Adenomatous Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Prostate		Hypertrophy, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pancreas	Islets	Islet-Cell Adenoma
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
	Scrotum Nos	Inflammation, Granulomatous
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: C54773

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dimethyl hydrogen phosphite

CAS Number: 868-85-9

Date Report Requested: 10/26/2014

Time Report Requested: 14:34:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Eye		Cataract
	Cornea	Inflammation, Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Preputial gland		Inflammation, Granulomatous
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain	Cerebellum Nos	Mineralization
Eye		Cataract
Kidney		Nephropathy
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Angiectasis
Pituitary gland		Angiectasis
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
	Scrotum Nos	Necrosis, Fat
Unspecified	Mediastinum Nos	Alveolar/Bronchiolar Carcinoma, Metastatic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Epididymis		Inflammation, Chronic
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
Lung	Bile Duct	Hyperplasia, Nos Hyperplasia, Adenomatous Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Mammary gland		Dilatation, Ducts
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis	Forestomach	Squamous Cell Papilloma Atrophy, Nos Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor Cyst, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos
		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Congenital Malformation, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hypertrophy, Focal
Spleen		Hemosiderosis
Stomach	Forestomach	Squamous Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell
	Scrotum Nos	Pigmentation, Nos
Urinary bladder	Serosa	Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos Cataract Fibrosis
Heart		Nephropathy
Kidney		Cytoplasmic Vacuolization
Liver		Hyperplasia, Nos
Lung	Bile Duct	Hyperplasia, Adenomatous Pneumonia, Interstitial Chronic
Pituitary gland		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Lung		Hyperplasia, Adenomatous
Mammary gland		Adenocarcinoma, Nos
Pancreas		Atrophy, Nos
Stomach		Inflammation, Acute/Chronic
	Forestomach	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:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos
		Cataract
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Hypertrophy, Focal
		Inflammation, Granulomatous
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Lipoidosis
Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney	Tubule	Cytoplasmic Change, Inclusion
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma Hyperplasia, Adenomatous Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Alveolar/Bronchiolar Carcinoma, Metastatic
Urinary bladder		Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart		Fibrosis
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Pneumonia, Interstitial Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Prostate		Inflammation, Chronic Suppurative
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Sarcoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Focal Cellular Change Lipoidosis Pheochromocytoma
Brain		Glioma, Nos
Epididymis		Lymphocytic Inflammatory Infiltrate
Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic Hyperplasia, Nos
Lung	Bile Duct	Alveolar/Bronchiolar Carcinoma Pneumonia, Interstitial Chronic
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Nos
Pituitary gland		Cyst, Nos Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Abdomen Multiple Organs Nos	Fibroma Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_039

**TRT#:** 1  
**DOSE:** 200.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Degeneration, Nos Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma Hyperplasia, Adenomatous Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pituitary gland		Hyperplasia, Focal Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Atrophy, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart		Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
		Metaplasia, Osseous
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos
		Cataract
Kidney		Nephropathy
Liver		Congenital Malformation, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Nos
	Forestomach	Ulcer, Nos
Testis		Atrophy, Nos
Thyroid		C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Angiectasis
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney	Tubule	Cytoplasmic Change, Inclusion
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Interstitial Chronic
		Squamous Cell Carcinoma
Pituitary gland		Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos
		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Pneumonia, Interstitial Chronic
Pituitary gland		Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_045

**TRT#:** 1  
**DOSE:** 200.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Brain	Cerebellum Nos	Mineralization
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Jejunum

Adenocarcinoma, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pancreas

Atrophy, Nos

Stomach

Forestomach

Hyperkeratosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Brain

Eye

Heart

Kidney

Liver

Lung

Lymph node

Pituitary gland

Skin

Stomach

Testis

Cerebellum Nos

Retina

Bile Duct

Mediastinal Lymph Node

Thorax

Forestomach

Pheochromocytoma

Mineralization

Atrophy, Nos

Cataract

Fibrosis

Nephropathy

Cytoplasmic Vacuolization

Hyperplasia, Nos

Alveolar/Bronchiolar Carcinoma

Metaplasia, Squamous

Pneumonia, Interstitial Chronic

Alveolar/Bronchiolar Carcinoma, Metastatic

Adenoma, Nos

Squamous Cell Papilloma

Hyperplasia, Nos

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C54773

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dimethyl hydrogen phosphite

CAS Number: 868-85-9

Date Report Requested: 10/26/2014

Time Report Requested: 14:34:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1\_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 200.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Lymph node	Hepatic Lymph Node	Edema, Nos
Pancreas		Atrophy, Nos
Prostate		Hypertrophy, Focal
		Inflammation, Granulomatous
Stomach	Forestomach	Squamous Cell Papilloma
	Forestomach	Ulcer, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Liver	Bile Duct	Cytoplasmic Change, Basophilic Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma Pneumonia, Interstitial Chronic
Pituitary gland	Forestomach	Cyst, Nos
Stomach		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow

Fibrosis, Myelo

Heart

Hypoplasia, Nos

Kidney

Fibrosis

Liver

Bile Duct

Nephrosis, Hydro

Lung

Hyperplasia, Nos

Hyperplasia, Adenomatous

Osteosarcoma, Metastatic

Pneumonia, Interstitial Chronic

Pituitary gland

Hyperplasia, Focal

Prostate

Inflammation, Chronic Suppurative

Osteosarcoma, Invasive

Spleen

Hematopoiesis

Testis

Atrophy, Nos

Unspecified

Pelvis Nos

Osteosarcoma

Urinary bladder

Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Cyst, Nos Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Paraganglioma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Degeneration, Nos
Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Angiectasis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Pituitary gland

Bile Duct

Fibrosis

Nephropathy

Hyperplasia, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Mineralization Nephropathy
Lung		Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Prostate

Spleen

Testis

Thyroid

Retina

Tubule

Bile Duct

Pheochromocytoma

Atrophy, Nos

Cataract

Fibrosis

Nephropathy

Pigmentation, Nos

Hyperplasia, Nos

Hyperplasia, Alveolar Epithelium

Pneumonia, Interstitial Chronic

Hypertrophy, Focal

Hemosiderosis

Interstitial-Cell Tumor

C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Liver

Testis

Unspecified

Bile Duct

Multiple Organs Nos

Lipoidosis

Hyperplasia, Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Lung

Testis

Unspecified

Retina

Tubule

Bile Duct

Multiple Organs Nos

Lipoidosis

Atrophy, Nos

Pigmentation, Nos

Hyperplasia, Nos

Pneumonia, Interstitial Chronic

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Kidney

Cataract

Liver

Bile Duct

Nephropathy

Lung

Hyperplasia, Nos

Pancreas

Inflammation, Granulomatous

Pituitary gland

Atrophy, Nos

Stomach

Forestomach

Hyperplasia, Focal

Testis

Hyperplasia, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Fibrosis

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Liver		Necrosis, Nos
Lymph node	Mediastinal Lymph Node	Hemorrhage
Spleen		Hematopoiesis
Stomach		Sarcoma, Nos
Unspecified	Multiple Organs Nos	Sarcoma, Nos, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pancreas

Pituitary gland

Testis

Thyroid

Unspecified

Tubule

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Pigmentation, Nos

Hyperplasia, Nos

Atrophy, Nos

Cyst, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Hyperplasia, Tubular Cell
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Degeneration, Nos
		Hyperplasia, Nos
		Inflammation, Chronic
Lung		Histiocytosis
		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Hypertrophy, Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
	Centrilobular	Necrosis, Nos
Lung		Pneumonia, Interstitial Chronic
Pituitary gland		Cyst, Nos
Spleen		Hemosiderosis
Testis		Mesothelioma, Nos
		Mineralization

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Ear		Fibrosarcoma
Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Granulomatous
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pituitary gland		Cyst, Nos
Prostate		Hyperplasia, Focal
		Hypertrophy, Focal
Testis		Hyperplasia, Interstitial Cell
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Heart

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Testis

Atrophy, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Interstitial Cell

Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

---

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Stomach	Forestomach	Hyperplasia, Nos
Testis		Hyperplasia, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Lipoidosis
Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Pancreas		Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
		Hyperplasia, Follicular Cell
Unspecified		Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Eye		Mineralization
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Prostate		Inflammation, Granulomatous
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

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

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

**OBSERVATIONS**

Heart		Fibrosis
Kidney	Pelvis	Inflammation, Suppurative Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Dilatation, Ducts Inflammation, Granulomatous
Mammary gland		Atrophy, Nos Adenoma, Nos Inflammation, Suppurative
Pancreas		Hemosiderosis
Pituitary gland		Hyperplasia, Interstitial Cell
Prostate		Inflammation, Pyogranulomatous
Spleen		Hemorrhage
Testis	Scrotum Nos	Inflammation, Suppurative
Urinary bladder		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:51  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Eye	Retina	Atrophy, Nos
Heart		Fibrosis
	Endocardium Nos	Neurilemoma, Malignant
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Prostate		Hypertrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Alveolar/Bronchiolar Carcinoma, Metastatic
	Abdominal Cavity	Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium Pneumonia, Interstitial Chronic
Prostate		Hypertrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Nos
Pituitary gland		Cyst, Nos
Skin	Lip Nos	Squamous Cell Papilloma
		Squamous Cell Papilloma
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Prostate		Inflammation, Chronic Suppurative
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Pancreas

Prostate

Stomach

Testis

Thyroid

Retina

Bile Duct

Forestomach

Pheochromocytoma

Atrophy, Nos

Fibrosis

Nephropathy

Cytoplasmic Vacuolization

Hyperplasia, Nos

Hyperplasia, Alveolar Epithelium

Pneumonia, Interstitial Chronic

Atrophy, Nos

Hypertrophy, Focal

Hyperplasia, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Angiectasis
	Intermedia	Hyperplasia, Focal Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: C54773

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Dimethyl hydrogen phosphite

CAS Number: 868-85-9

Date Report Requested: 10/26/2014

Time Report Requested: 14:34:51

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2\_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 100.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Lipoidosis
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos Hyperplasia, Adenomatous Pneumonia, Interstitial Chronic
Lung		Hyperplasia, Focal Inflammation, Granulomatous
Mammary gland		Lymphocytic Inflammatory Infiltrate
Pancreas		Adenoma, Nos
Pituitary gland		Hyperplasia, Nos
Stomach	Forestomach	Atrophy, Nos Hyperplasia, Focal
Testis		Interstitial-Cell Tumor Hyperplasia, C Cell
Thyroid		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

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**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Thorax	Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:51

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

**Lab:** NA

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Kidney

Liver

Pancreas

Pituitary gland

Prostate

Stomach

Testis

Thyroid

Unspecified

Retina

Bile Duct

Forestomach

Abdominal Cavity

Pheochromocytoma

Atrophy, Nos

Cataract

Fibrosis

Mineralization

Hyperplasia, Nos

Atrophy, Nos

Hypertrophy, Focal

Hypertrophy, Focal

Inflammation, Granulomatous

Hyperplasia, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Necrosis, Fat

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Ear

Eye

Kidney

Liver

Pancreas

Prostate

Testis

Thyroid

Retina

Bile Duct

Fibrosarcoma

Atrophy, Nos

Cataract

Nephropathy

Hyperplasia, Nos

Atrophy, Nos

Hyperplasia, Focal

Hypertrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Malacia
Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Skin		Squamous Cell Papilloma
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Ulcer, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Lipoidosis
Eye	Retina	Atrophy, Nos
		Cataract
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Adenomatous
		Pneumonia, Interstitial Chronic
Prostate		Inflammation, Granulomatous
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Pheochromocytoma

Eye

Retina

Atrophy, Nos

Cataract

Heart

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Cytoplasmic Change, Eosinophilic

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Stomach

Forestomach

Hyperplasia, Nos

Testis

Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Liver

Congenital Malformation, Nos

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Accidentally Killed

**HISTO:**

---

**OBSERVATIONS**

Heart

Lung

Pancreas

Fibrosis

Inflammation, Chronic

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Lipoidosis
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Dilatation, Ducts
Prostate		Hypertrophy, Focal
		Inflammation, Granulomatous
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Testis

Unspecified

Nephrosis, Nos

Atrophy, Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

Necrosis, Fat

Multiple Organs Nos

Abdominal Cavity

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Unspecified

Bile Duct

Multiple Organs Nos

Fibrosis

Nephropathy

Hyperplasia, Nos

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Pituitary gland

Stomach

Testis

Unspecified

Tubule

Bile Duct

Forestomach

Multiple Organs Nos

Pheochromocytoma

Degeneration, Nos

Nephropathy

Pigmentation, Nos

Hyperplasia, Nos

Hyperplasia, Focal

Hyperplasia, Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_047

**TRT#:** 2  
**DOSE:** 100.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
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:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Eye

Cataract

Liver

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Pituitary gland

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 100.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Esophagus	Adventitia	Hemosiderosis
Eye	Retina	Atrophy, Nos
		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Pituitary gland		Hypertrophy, Focal
Prostate		Hypertrophy, Focal
Stomach	Forestomach	Hyperplasia, Nos
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:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain		Glioma, Nos
Ear		Fibrosarcoma
Eye	Retina	Atrophy, Nos
		Cataract
Kidney	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Spleen		Hemosiderosis
Testis		Atrophy, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Kidney

Cataract

Liver

Nephropathy

Cytoplasmic Change, Basophilic

Cytoplasmic Vacuolization

Bile Duct

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Hyperplasia, Focal

Testis

Atrophy, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Eye

Retina

Atrophy, Nos

Heart

Cataract

Kidney

Fibrosis

Liver

Nephropathy

Bile Duct

Clear-Cell Change

Pituitary gland

Hyperplasia, Nos

Testis

Neoplastic Nodule

Hyperplasia, Focal

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye

Retina

Atrophy, Nos

Cataract

Heart

Fibrosis

Kidney

Nephropathy

Lung

Histiocytosis

Pituitary gland

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Testis

Unspecified

Fibrosis

Interstitial-Cell Tumor

Necrosis, Fat

Leukemia, Mononuclear Cell

Scrotum Nos

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Pituitary gland

Prostate

Testis

Unspecified

Retina

Bile Duct

Multiple Organs Nos

Sarcoma, Nos

Atrophy, Nos

Nephropathy

Degeneration, Nos

Hyperplasia, Nos

Adenoma, Nos

Inflammation, Chronic

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Tibia	Osteosarcoma
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Skin		Osteosarcoma, Invasive
Testis		Atrophy, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Osteosarcoma, Metastatic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney	Pelvis	Inflammation, Suppurative
Pituitary gland		Cyst, Nos
Testis		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Fibrosis

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Mammary gland

Dilatation, Ducts

Pancreas

Atrophy, Nos

Prostate

Hypertrophy, Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Spleen		Hemosiderosis
Unspecified	Mediastinum Nos	Undifferentiated Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Cortex Nos

Lipoidosis

Heart

Cataract

Kidney

Fibrosis

Liver

Nephropathy

Pancreas

Bile Duct

Cytoplasmic Vacuolization

Pituitary gland

Hyperplasia, Nos

Prostate

Lymphocytic Inflammatory Infiltrate

Testis

Hypertrophy, Focal

Thyroid

Hypertrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_012

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Suppurative
Lung		Histiocytosis
Pancreas		Lymphocytic Inflammatory Infiltrate
Pituitary gland		Hemorrhage
Prostate		Hyperplasia, Focal
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:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Liver

Lung

Stomach

Testis

Thyroid

Retina

Pericardium Nos

Bile Duct

Forestomach

Pheochromocytoma

Atrophy, Nos

Cataract

Granuloma, Lipo

Hyperplasia, Nos

Histiocytosis

Hyperplasia, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Suppurative
Testis		Hyperplasia, Focal
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Hematopoiesis
	Bile Duct	Hyperplasia, Nos
		Inflammation, Granulomatous
Pancreas		Atrophy, Nos
Skin	Scrotum	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Eye

Heart

Kidney

Liver

Pituitary gland

Spleen

Testis

Bile Duct

Cataract

Fibrosis

Nephropathy

Hyperplasia, Nos

Adenoma, Nos

Hemosiderosis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Pancreas

Prostate

Salivary gland

Testis

Thyroid

Retina

Bile Duct

Pheochromocytoma

Atrophy, Nos

Nephropathy

Hyperplasia, Nos

Atrophy, Nos

Hypertrophy, Focal

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
		Mesothelioma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Kidney

Liver

Pituitary gland

Prostate

Spleen

Stomach

Testis

Retina

Bile Duct

Angiectasis

Atrophy, Nos

Cataract

Nephropathy

Hyperplasia, Nos

Adenoma, Nos

Hypertrophy, Focal

Hemosiderosis

Inflammation, Acute

Interstitial-Cell Tumor

Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Liver	Bile Duct	Hyperplasia, Nos
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Urinary bladder		Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Lipoidosis
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Penis	Prepuce Nos	Inflammation, Chronic Suppurative
Prostate		Inflammation, Granulomatous
Stomach	Forestomach	Hyperplasia, Nos
		Inflammation, Acute/Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thymus		Cyst, Nos
Thyroid		C-Cell Adenoma
Unspecified		Fibroma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Heart

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Eosinophilic

Bile Duct

Hyperplasia, Nos

Lung

Pneumonia, Interstitial Chronic

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Pneumonia, Interstitial Chronic
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Eye

Liver

Prostate

Testis

Unspecified

Retina

Bile Duct

Multiple Organs Nos

Fibrosis, Myelo

Detachment

Hyperplasia, Nos

Hypertrophy, Focal

Atrophy, Nos

Leukemia, Mononuclear Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Glioma, Nos
Heart	Atrium	Fibrosis
		Fibrosis
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Dilatation, Ducts
Pituitary gland		Cyst, Nos
Testis		Interstitial-Cell Tumor
	Scrotum Nos	Necrosis, Fat
Thyroid		Hyperplasia, C Cell
Unspecified		Cyst, Epidermal Inclusion

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hypertrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Mesenteric Artery Nos

Aneurysm

Bone

Mesenteric Artery Nos

Arteriosclerosis, Nos

Intestine Small

Sternum

Aneurysm

Kidney

Mesentery Nos

Inflammation, Pyogranulomatous

Liver

Bile Duct

Nephropathy

Testis

Cytoplasmic Vacuolization

Hyperplasia, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Hypertrophy, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Pancreas

Pituitary gland

Testis

Thyroid

Retina

Bile Duct

Pheochromocytoma

Atrophy, Nos

Cataract

Fibrosis

Nephropathy

Congenital Malformation, Nos

Cytoplasmic Change, Basophilic

Cytoplasmic Change, Eosinophilic

Hyperplasia, Nos

Pneumonia, Interstitial Chronic

Atrophy, Nos

Hyperplasia, Focal

Atrophy, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_032

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Mammary gland

Pituitary gland

Fibrosis

Dilatation, Ducts

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_033

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Granulomatous
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Cataract

Heart

Fibrosis

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Pancreas

Atrophy, Nos

Pituitary gland

Hyperplasia, Focal

Prostate

Hypertrophy, Diffuse

Testis

Inflammation, Granulomatous

Unspecified

Hyperplasia, Interstitial Cell

Fibroma

Multiple Organs Nos

Leukemia, Mononuclear Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

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<b>ANIMAL ID:</b> 3_035	<b>TRT#:</b> 3 <b>DOSE:</b> 0	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> <b>HISTO:</b>
<hr/> <b>OBSERVATIONS</b>			
Eye	Retina	Atrophy, Nos Cataract	
Heart		Fibrosis	
Kidney		Nephropathy	
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Change, Eosinophilic	
	Bile Duct	Hyperplasia, Nos	
Mammary gland		Dilatation, Ducts	
Pancreas		Hyperplasia, Nodular	
Pituitary gland		Cyst, Nos	
		Metaplasia, Osseous	
Stomach	Forestomach	Hyperplasia, Nos	
Testis		Interstitial-Cell Tumor	
Thyroid		Hyperplasia, C Cell	
<hr/> <b>PRIMARY CAUSE OF DEATH</b> -			

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_036

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Bone marrow		Inflammation, Granulomatous
Eye		Cataract
Heart		Fibrosis
Kidney	Pelvis	Fibrosis, Focal
	Pelvis	Hyperplasia, Focal
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
Lung		Pneumonia, Interstitial Chronic
Pancreas		Atrophy, Nos
Prostate		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Thorax	Fibrosis
	Multiple Organs Nos	Mesothelioma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_037

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Skin	Cheek	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
		Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas		Atrophy, Nos
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Fibrosis
Kidney		Mineralization
Liver	Centrilobular	Necrosis, Nos
Lung		Mineralization
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
Stomach		Mineralization
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

---

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Focal  
Pheochromocytoma

Eye

Retina

Atrophy, Nos  
Cataract

Heart

Fibrosis

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Prostate

Hypertrophy, Diffuse

Testis

Inflammation, Granulomatous

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:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Eye		Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Lung		Histiocytosis
Pancreas		Atrophy, Nos
Prostate		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Bone marrow

Kidney

Liver

Prostate

Testis

Thyroid

Unspecified

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Myelo

Nephropathy

Hyperplasia, Nos

Hypertrophy, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Mononuclear Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Eye  
Heart  
Kidney  
Liver

Cortex Nos

Lipoidosis  
Cataract  
Fibrosis  
Nephropathy  
Congenital Malformation, Nos  
Cytoplasmic Vacuolization  
Hyperplasia, Nos  
Atrophy, Nos  
Hypertrophy, Focal  
Cyst, Epidermal Inclusion  
Interstitial-Cell Tumor  
Hyperplasia, C Cell

Pancreas  
Pituitary gland  
Skin  
Testis  
Thyroid

Bile Duct

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Accidentally Killed

**HISTO:**

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**OBSERVATIONS**

Esophagus		Inflammation, Suppurative
Heart		Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Spleen		Hemosiderosis
Testis		Mesothelioma, Nos
Unspecified	Mediastinum Nos	Inflammation, Suppurative

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Eye

Retina

Atrophy, Nos

Cataract

Heart

Fibrosis

Kidney

Nephropathy

Liver

Clear-Cell Change

Bile Duct

Hyperplasia, Nos

Lung

Hyperplasia, Alveolar Epithelium

Pneumonia, Interstitial Chronic

Pancreas

Atrophy, Nos

Pituitary gland

Adenoma, Nos

Testis

Hyperplasia, Focal

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_046

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos Adenoma, Nos Cyst, Nos
Pituitary gland		Hypertrophy, Focal
Prostate		Hyperplasia, Nos
Stomach	Forestomach	Interstitial-Cell Tumor
Testis		C-Cell Adenoma
Thyroid		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pituitary gland

Testis

Thyroid

Bile Duct

Pheochromocytoma

Nephropathy

Cytoplasmic Change, Basophilic

Hyperplasia, Nos

Hyperplasia, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Dimethyl hydrogen phosphite

**CAS Number:** 868-85-9

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

**Time Report Requested:** 14:34:52

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

**Lab:** NA

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Lymphocytic Inflammatory Infiltrate
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Pleura Nos	Inflammation, Chronic
Pancreas		Hyperplasia, Nodular
Prostate		Hypertrophy, Focal
		Inflammation, Granulomatous
Stomach	Forestomach	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C54773  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Dimethyl hydrogen phosphite  
**CAS Number:** 868-85-9

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 14:34:52  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_049

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

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

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

**OBSERVATIONS**

Bone marrow		Hypoplasia, Nos
Eye		Cataract
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach	Forestomach	Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Trachea		C-Cell Carcinoma, Invasive
Unspecified	Multiple Organs Nos	C-Cell Carcinoma, Metastatic

**PRIMARY CAUSE OF DEATH**

-

Experiment Number: C54773

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Dimethyl hydrogen phosphite

CAS Number: 868-85-9

Date Report Requested: 10/26/2014

Time Report Requested: 14:34:52

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3\_050

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Atrophy, Nos Cataract
Heart		Fibrosis
Kidney		Nephropathy
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hypertrophy, Focal
Skin		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE