

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

C Number:	C96013
Lock Date:	02/28/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart	Myocardium	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart	Myocardium	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Lung		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Cranial Nerve	Degeneration	Moderate
Note: Degeneration (unilateral) of optic nrve			
* Heart	Myocardium	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Preputial Gland		Cyst	
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver	Inflammation	Chronic, Minimal
* Lung	Metaplasia	Osseous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116	TRT#: 1	SEX: Male	DAY ON TEST: 94
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain	Cranial Nerve	Gliosis	Minimal
Note: Unilateral optic nerve gliosis			
* Liver		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain Note: Unilateral optic nerve gliosis	Cranial Nerve	Gliosis	Minimal
* Heart	Myocardium	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain	Cranial Nerve	Degeneration	Mild
Note: Unilateral degeneration of optic nerve			
* Heart	Myocardium	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Granulomatous, Minimal
		Inflammation	Chronic, Minimal
Note: Eosinophilic crystals in inflammatory focus			
* Pancreas	Acinus	Atrophy	Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119	TRT#: 1	SEX: Male	DAY ON TEST: 94
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain	Cranial Nerve	Gliosis	Minimal
Note: Unilateral optic nerve gliosis			
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Metaplasia	Osseous, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215	TRT#: 3	SEX: Male	DAY ON TEST: 94
	DOSE: 5 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Inflammation	Chronic, Mild
	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Infiltration Cellular

Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

Thyroid GI

Note: Only one thyroid gland on slide.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311	TRT#: 5	SEX: Male	DAY ON TEST: 94
	DOSE: 50 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314	TRT#: 5 DOSE: 50 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 94 HISTO: 0200744
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Epididymis Note: Epididymal Atrophy = Aspermia [Atrophy TGLS = 2-13]		Atrophy	Marked
Harderian Gland		Pigmentation	Mild
Testes [Degeneration TGLS = 1-11]	Germinal Epith	Degeneration	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317	TRT#: 5 DOSE: 50 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 94 HISTO: 0200747
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
-----	---------------

OBSERVATIONS

Harderian Gland		Pigmentation	Mild
Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLS = 2-14]			
Testes	Bilateral, Germinal Epith	Degeneration	Marked
[Degeneration TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 411

TRT#: 7
DOSE: 5000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 412

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Thyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 413	TRT#: 7	SEX: Male	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 414

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 415

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

MISSING

Harderian Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 417	TRT#: 7	SEX: Male	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Inflammation	Chronic, Minimal
	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 418

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

MISSING

Harderian Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 419

TRT#: 7
DOSE: 5000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 420

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Inflammation

Chronic, Minimal

Pigmentation

Mild

Stomach, Glandular

Hyperplasia

Focal, Mild

Note: Would prefer the term "diverticulum" for the glandular stomach alteration

[Hyperplasia TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 511

TRT#: 9
DOSE: 50,000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
-----	-----------------	---------------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 512	TRT#: 9	SEX: Male	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 513

TRT#: 9
DOSE: 50,000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 514

TRT#: 9
DOSE: 50,000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 515

TRT#: 9
DOSE: 50,000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 516	TRT#: 9	SEX: Male	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 517

TRT#: 9
DOSE: 50,000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 518

TRT#: 9

SEX: Male

DAY ON TEST: 94

DOSE: 50,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 520

TRT#: 9
DOSE: 50,000 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
-----	-----------------	---------------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 611

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Lymph Node, Mandibular [Hyperplasia TGLS = 1-10]	Hyperplasia	Lymphoid, Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 612

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lung		Metaplasia	Osseous, Minimal
* Lymph Node, Mandibular		Congestion	Mild
[Congestion TGLS = 1-10]			
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Germinal Epith	Degeneration	Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 613

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 614	TRT#: 11	SEX: Male	DAY ON TEST: 94
	DOSE: 200,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Lymph Node, Mandibular		Congestion	Mild
		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-10]			
* Nose		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 615	TRT#: 11	SEX: Male	DAY ON TEST: 94
	DOSE: 200,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain	Cranial Nerve	Gliosis	Minimal
Note: Unilateral optic nerve gliosis			
* Harderian Gland		Pigmentation	Mild
* Liver		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 616	TRT#: 11	SEX: Male	DAY ON TEST: 94
	DOSE: 200,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Focal, Minimal
Lymph Node	Inguinal	Inflammation	Granulomatous, Minimal
* Nose		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 617

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 618

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart	Myocardium	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Granulomatous, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 619

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland	Pigmentation	Mild
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 620

TRT#: 11

SEX: Male

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Mineralization	Minimal
	Nephropathy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Liver		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
* Ovary		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Tooth	Pulp	Malformation	Minimal
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Mineralization	Minimal
* Liver	Inflammation	Chronic, Minimal
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165	TRT#: 2	SEX: Female	DAY ON TEST: 94
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Ovary		Cyst	
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:50
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 2

SEX: Female

DAY ON TEST: 94

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain	Cranial Nerve	Degeneration	Mild
	Pineal Gland	Inflammation	Minimal
Note: Unilateral optic nerve degeneration			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Metaplasia	Osseous, Minimal
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167	TRT#: 2	SEX: Female	DAY ON TEST: 94
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain	Cranial Nerve	Degeneration	Mild
Note: Unilateral degeneration of optic nerve			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168	TRT#: 2	SEX: Female	DAY ON TEST: 94
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Lung		Inflammation	Chronic, Minimal
		Metaplasia	Osseous, Minimal
Note: Eosinophilic crystals seen in inflammatory lung lesions			
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169	TRT#: 2	SEX: Female	DAY ON TEST: 94
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Lung		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 2
DOSE: 0 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Mineralization	Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

Ovary

Angiectasis

Moderate

* Uterus

Cyst

Dilatation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262	TRT#: 4	SEX: Female	DAY ON TEST: 94
	DOSE: 5 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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OBSERVATIONS

Lymph Node, Mandibular [Hyperplasia TGLS = 1-10]	Hyperplasia	Lymphoid, Minimal
Ovary	Cyst	
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Ovary

Thyroid Gland

OBSERVATIONS

* Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Ovary

Thyroid Gland

* Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265	TRT#: 4	SEX: Female	DAY ON TEST: 94
	DOSE: 5 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Harderian Gland	Thyroid Gland	* Uterus
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OBSERVATIONS

Eye	Retina	Dysplasia	Minimal
Ovary		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Ovary

Thyroid Gland

OBSERVATIONS

* Uterus

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267	TRT#: 4	SEX: Female	DAY ON TEST: 94
	DOSE: 5 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
-----	---------------

OBSERVATIONS

Harderian Gland	Pigmentation	Mild
Ovary	Cyst	
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Ovary

Thyroid Gland

* Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Ovary

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

* Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 94

DOSE: 5 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Ovary

Thyroid Gland

* Uterus

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361	TRT#: 6	SEX: Female	DAY ON TEST: 7
	DOSE: 50 UG/KG	DISP: Natural Death	HISTO: 0200751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Skin	* Urinary Bladder	* Uterus	

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain
* Esophagus	Eye	* Harderian Gland	* Heart
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Brain			
Note: Pineal gland is missing.			
Lymph Node	Lumbar	Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-13]			
* Ovary			
Note: One ovary was missing			
* Urin Bladder			
Note: No corresponding microscopic finding for gross observation of dilated urinary bladder			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Thyroid Gland

* Uterus

OBSERVATIONS

* Ovary

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Ovary

* Thyroid Gland

OBSERVATIONS

* Uterus

Dilatation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364	TRT#: 6	SEX: Female	DAY ON TEST: 94
	DOSE: 50 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	* Thyroid Gland	* Uterus
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OBSERVATIONS

* Harderian Gland	Pigmentation	Mild
* Ovary	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Ovary

* Thyroid Gland

* Uterus

OBSERVATIONS

Vagina

Cyst

[Cyst TGLS = 1-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Thyroid Gland

* Uterus

OBSERVATIONS

* Ovary

Angiectasis

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Thyroid Gland

OBSERVATIONS

* Ovary

Cyst

* Uterus

Dilatation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Thyroid Gland

* Uterus

OBSERVATIONS

* Ovary

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Ovary

* Thyroid Gland

* Uterus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 94

DOSE: 50 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

* Harderian Gland

* Ovary

* Thyroid Gland

OBSERVATIONS

* Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 461

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Harderian Gland

Ovary

Thyroid Gland

OBSERVATIONS

* Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 462

TRT#: 8
DOSE: 5000 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Ovary	Thyroid Gland
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 463	TRT#: 8	SEX: Female	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland	* Uterus
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OBSERVATIONS

Ovary	Cyst
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 464	TRT#: 8	SEX: Female	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ovary	Thyroid Gland
-------	---------------

OBSERVATIONS

Eye	Cornea	Inflammation	Chronic, Mild
	Iris	Synechia	Moderate
Harderian Gland		Pigmentation	Mild
* Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 94

DOSE: 5000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye

Thyroid Gland

OBSERVATIONS

Harderian Gland

Pigmentation

Mild

Ovary

Cyst

* Uterus

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 466	TRT#: 8	SEX: Female	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Ovary	Thyroid Gland	* Uterus
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OBSERVATIONS

Harderian Gland		Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 467	TRT#: 8	SEX: Female	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
-----	-----------------	---------------

OBSERVATIONS

Ovary	Cyst	
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 468	TRT#: 8	SEX: Female	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Ovary	Thyroid Gland
-----	-------	---------------

OBSERVATIONS

Harderian Gland	Pigmentation	Mild
* Uterus	Dilatation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 469	TRT#: 8	SEX: Female	DAY ON TEST: 94
	DOSE: 5000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland	* Uterus
-----	-----------------	---------------	----------

OBSERVATIONS

Ovary	Cyst
-------	------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 470

TRT#: 8
DOSE: 5000 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Ovary	Thyroid Gland
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 561	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
-----	---------------

OBSERVATIONS

Harderian Gland	Pigmentation	Mild
Ovary	Cyst	
Note: Cyst in Corpora Lutea.		
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 562	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Thyroid Gland
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OBSERVATIONS

Ovary	Cyst	
Note: Cyst in Corpora Lutea.		
* Uterus	Dilatation	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 563	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Ovary	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 564

TRT#: 10
DOSE: 50,000 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Harderian Gland	Ovary	Thyroid Gland
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OBSERVATIONS

* Uterus	Dilatation	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 565	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Ovary	Thyroid Gland	* Uterus
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OBSERVATIONS

Harderian Gland		Pigmentation	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 566	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
Ovary	Cyst	
Note: Cyst in Corpora Lutea.		
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 567	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Ovary	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
* Uterus	Dilatation	Mild
[Dilatation TGLS = 1-11]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 568	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
-----	---------------

OBSERVATIONS

Harderian Gland	Pigmentation	Mild
Ovary	Cyst	
Note: Cyst in Corpora Lutea.		
* Uterus	Dilatation	Minimal
	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 569	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
Ovary	Cyst	
Note: Cyst in Corpora Lutea.		
* Uterus	Dilatation	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 570	TRT#: 10	SEX: Female	DAY ON TEST: 94
	DOSE: 50,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye	Thyroid Gland	* Uterus
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OBSERVATIONS

Harderian Gland	Pigmentation	Mild
Ovary	Cyst	

Note: Cyst in Corpora Lutea.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 661

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney	Mineralization	Minimal
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 662	TRT#: 12	SEX: Female	DAY ON TEST: 94
	DOSE: 200,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Ovary		Cyst	

Note: Cyst in Corpora Lutea.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 663

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 664

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Ovary		Cyst	
Note: Cyst in Corpora Lutea.			
* Thyroid Gland			
Note: Only one thyroid present on slides			
Tooth	Pulp	Malformation	Minimal
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 665

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland	Pigmentation	Mild
* Kidney	Nephropathy	Minimal
* Ovary	Cyst	
Note: Cyst in corpora lutea.		
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 666	TRT#: 12	SEX: Female	DAY ON TEST: 94
	DOSE: 200,000 UG/KG	DISP: Terminal Sacrifice	HISTO: 0200816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Harderian Gland		Pigmentation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal
* Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 667

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
Tooth	Pulp	Malformation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 668

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain	Cranial Nerve	Degeneration	Minimal
Note: Trigeminal nerve degeneration (unilateral).			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lung		Metaplasia	Osseous, Minimal
* Ovary		Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 669

TRT#: 12

SEX: Female

DAY ON TEST: 94

DOSE: 200,000 UG/KG

DISP: Terminal Sacrifice

HISTO: 0200819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Esophagus	Inflammation	Chronic, Mild
* Harderian Gland	Pigmentation	Mild
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Ovary	Cyst	
* Uterus	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96013-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/21/2014
Time Report Requested: 08:47:51
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 670

TRT#: 12
DOSE: 200,000 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 94
HISTO: 0200820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver	Inflammation	Chronic, Minimal
* Uterus	Dilatation	Minimal

PRIMARY CAUSE OF DEATH -

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE