

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:50

First Dose M/F: NA / NA

Lab: TSI MASON

C Number:	C60902B
Lock Date:	Not Entered.
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: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:51

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
F 344/N Rat Male	6	3	7	6	7	7	7	7	7	4	7	7	7	6	3	5	6	4	4	7	6	4	4	4	5	7	6	7	5	6	7
0 MG/KG	1	7	2	8	2	2	2	2	2	5	2	2	2	8	7	1	5	5	2	5	5	5	7	9	2	7	0	6	6	0	
	7	2	9	7	9	9	9	9	9	8	5	9	6	8	1	3	8	8	9	4	2	8	0	7	9	5	3	1	2	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Parathyroid Gland										+																					
Pituitary Gland										+																					
Pars Distalis, Adenoma										X																					
Thyroid Gland										+																					
General Body System																															
NONE																															
Genital System																															
Epididymis										+																					
Preputial Gland										+																					
Prostate										+																					
Seminal Vesicle										+																					
Testes										+																					
Bilateral, Interstit Cell, Adenoma																															
Interstit Cell, Adenoma																															
Hematopoietic System																															
Bone Marrow										+																					
Lymph Node, Mandibular										+																					
Lymph Node, Mesenteric										+																					
Spleen										+																					
Thymus										+																					
Integumentary System																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:52

First Dose M/F: NA / NA

Lab: TSI MASON

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	6	4	7	5	4	4	4	5	6	5	6	6	6	4	7	7	4	5	6	5	4	5	7	6	6	6	6	6
	8	6	5	1	8	5	5	5	4	2	0	8	4	1	5	1	0	5	1	8	9	9	8	2	2	2	1	1	3
	5	0	8	0	6	8	8	8	9	8	5	4	1	7	8	5	3	8	4	2	8	0	5	9	8	7	9	9	1
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	

Leukemia Mononuclear

X

* ..Total animals with tissue examined microscopically; Total animals with tumor

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CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:52

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Mesentery	3
Pancreas	10
Acinus, Adenoma	1
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
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Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	9

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Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

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Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:52
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
0 MG/KG

ANIMAL ID	*TOTALS
<hr/>	
Pituitary Gland	10
Pars Distalis, Adenoma	4
Thyroid Gland	10
General Body System	
NONE	
Genital System	
Epididymis	10
Preputial Gland	10
Prostate	10
Seminal Vesicle	10
Testes	10
Bilateral, Interstit Cell, Adenoma	2
Interstit Cell, Adenoma	2
Hematopoietic System	
Bone Marrow	10
Lymph Node, Mandibular	9
Lymph Node, Mesenteric	10
Spleen	10
Thymus	8
Integumentary System	
Mammary Gland	8
Skin	10

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CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:52
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
0 MG/KG

ANIMAL ID

*TOTALS

Musculoskeletal System

Bone 10

Nervous System

Brain 10

Respiratory System

Lung 10

Nose 10

Trachea 10

Special Senses System

Ear 1

Fibrosarcoma 1

Urinary System

Kidney 10

Urinary Bladder 10

SYSTEMIC LESIONS

Multiple Organ 10

Leukemia Mononuclear 2

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 Species/Strain: Rat/F 344/N

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 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:52
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Male
 60 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	4	7	8	7	2	7	1	6	8	8	1	8	8	9	0	8	3	5	8	9	1	8	8	9	6	5	7	0	1	5	6		

Alimentary System

Esophagus																																			
Intestine Large, Cecum																																			
Intestine Large, Colon																																			
Intestine Large, Rectum																																			
Intestine Small, Duodenum																																			
Intestine Small, Ileum																																			
Intestine Small, Jejunum																																			
Liver																																			
Pancreas																																			
Salivary Glands																																			
Stomach, Forestomach																																			
Stomach, Glandular																																			

Cardiovascular System

Heart																																			
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Endocrine System

Adrenal Gland, Cortex																																			
Adrenal Gland, Medulla																																			
Islets, Pancreatic																																			
Parathyroid Gland																																			
Pituitary Gland																																			

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 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:52
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Male 60 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Pars Distalis, Adenoma X

Pars Distalis, Adenoma, Multiple

Thyroid Gland + + + +

C Cell, Adenoma X

General Body System

NONE

Genital System

Epididymis + + + +

Preputial Gland + + + +

Prostate + + + +

Seminal Vesicle + + + +

Testes + + + +

Bilateral, Interstit Cell, Adenoma X X

Interstit Cell, Adenoma

Hematopoietic System

Bone Marrow + + + +

Lymph Node, Mandibular + + + +

Lymph Node, Mesenteric + + + +

Spleen + + + +

Thymus + + + +

Integumentary System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
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Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:52
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Male 60 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	4	6	5	5	7	6	4	6	4	5	4	6	6	6	5	5	4	5	3	7	4	6	6	6	6	6	4	7	6	7	6	7	
		6	1	5	1	5	9	0	0	5	4	2	4	5	1	0	6	8	0	5	7	5	2	5	1	9	3	2	7	0	3	1	6	7	6	7
		4	7	8	7	2	7	1	6	8	8	1	8	8	9	0	8	3	5	8	9	1	8	8	9	6	5	7	0	1	5	6	6	7	6	7
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Integumentary System

Mammary Gland																																						
Skin				+																																		

Musculoskeletal System

Bone				+																																		
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Nervous System

Brain				+																																		
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Respiratory System

Lung				+																																		
Nose				+																																		
Trachea				+																																		

Special Senses System

NONE																																						
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Urinary System

Kidney				+																																		
Urinary Bladder				+																																		

SYSTEMIC LESIONS

Multiple Organ				+																																		
Leukemia Mononuclear																																						X

* ..Total animals with tissue examined microscopically; Total animals with tumor
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Experiment Number: 05069-10
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Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

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Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:53
First Dose M/F: NA / NA
Lab: TSI MASON

F 344/N Rat Male
60 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	6	7	7	4	5	6	4	5	6	6	4	5	5	7	6	4	6	4	4	7	7	5	5	6	6	5	5	6
	0	1	2	2	5	7	5	5	9	2	9	5	9	1	2	9	1	6	5	5	0	0	3	6	8	9	9	2	2
	8	3	9	3	8	0	9	8	1	0	6	8	7	4	9	5	5	8	8	8	1	1	5	4	7	3	7	6	7
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Pars Distalis, Adenoma

Pars Distalis, Adenoma, Multiple

Thyroid Gland

C Cell, Adenoma

General Body System

NONE

Genital System

Epididymis

Preputial Gland

Prostate

Seminal Vesicle

Testes

Bilateral, Interstit Cell, Adenoma

Interstitial Cell, Adenoma

Hematopoietic System

Bone Marrow

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Integumentary System

X

+

+

+

+

+

+

+

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X

X

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X

X

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 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:53
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST																																		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	6	7	7	4	5	6	4	5	6	6	4	5	5	7	6	4	6	4	4	7	7	5	5	6	6	5	5	6	6	5	5	6	6	6
0	1	2	2	5	7	5	5	9	2	9	5	9	1	2	9	1	6	5	5	0	0	3	6	8	9	9	2	2	8	8	8	8	8	8
8	3	9	3	8	0	9	8	1	0	6	8	7	4	9	5	5	8	8	8	1	1	5	4	7	3	7	6	7						
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0					

Integumentary System

Mammary Gland + + + + +
 Skin + + + + +

Musculoskeletal System

Bone + + + + +

Nervous System

Brain + + + + +

Respiratory System

Lung + + + + +
 Nose + + + + +
 Trachea + + + + +

Special Senses System

NONE

Urinary System

Kidney + + + + +
 Urinary Bladder + + + + +

SYSTEMIC LESIONS

Multiple Organ + + + + +
 Leukemia Mononuclear X

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 X ..Lesion present
 I ..Insufficient tissue

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Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:53

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
60 MG/KG

ANIMAL ID

***TOTALS**

Alimentary System

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
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Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	8
Pituitary Gland	10
Pars Distalis, Adenoma	1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:53
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
60 MG/KG

ANIMAL ID

***TOTALS**

Pars Distalis, Adenoma, Multiple	1
Thyroid Gland	10
C Cell, Adenoma	1
General Body System	
NONE	
Genital System	
Epididymis	10
Preputial Gland	10
Prostate	10
Seminal Vesicle	10
Testes	10
Bilateral, Interstit Cell, Adenoma	4
Interstit Cell, Adenoma	3
Hematopoietic System	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	10
Integumentary System	
Mammary Gland	9
Skin	10

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:53

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
60 MG/KG

ANIMAL ID

*TOTALS

Musculoskeletal System

Bone 10

Nervous System

Brain 10

Respiratory System

Lung 10

Nose 10

Trachea 10

Special Senses System

NONE

Urinary System

Kidney 10

Urinary Bladder 10

SYSTEMIC LESIONS

Multiple Organ 10

Leukemia Mononuclear 2

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:53
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
F 344/N Rat Male	6	7	6	6	6	4	4	6	6	7	6	4	4	4	5	6	7	6	7	6	6	4	6	4	6	4	6	4	6	4
100 MG/KG	7	2	4	2	5	5	0	0	1	2	1	5	5	0	9	0	2	6	1	7	2	5	5	8	5	5	8	7	8	1
	3	9	3	8	1	8	7	4	4	9	0	8	8	7	3	4	3	0	4	3	8	8	5	6	3	8	7	8	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
Pituitary Gland						M																								
Pars Distalis, Adenoma													X											X			X		X	
Thyroid Gland							+						+	+										+			+		+	
General Body System																														
NONE																														
Genital System																														
Epididymis							+							+	+									+			+		+	
Preputial Gland							+							+	+									+			+		+	
Prostate							+							+	+									+			+		+	
Seminal Vesicle							+							+	+									+			+		+	
Testes							+							+	+									+			+		+	
Bilateral, Interstit Cell, Adenoma														X																
Interstit Cell, Adenoma																													X	
Hematopoietic System																														
Bone Marrow							+																		+			+		+
Lymph Node, Mandibular							+																		+			+		+
Lymph Node, Mesenteric							+																		+			+		+
Spleen							+																		+			+		+
Thymus							+																		+			+		+
Epithel Cell, Thymoma Benign																													X	
Integumentary System																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:54
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F 344/N Rat Male	6	7	3	6	6	6	6	5	7	4	4	6	5	5	5	7	6	6	6	6	6	6	4	7	4	5	7	5	6
100 MG/KG	1	0	1	6	1	7	5	1	2	5	9	0	3	9	2	1	8	5	6	6	2	8	5	1	5	5	1	9	6
	4	2	5	7	4	0	5	1	9	8	2	4	3	3	7	2	1	1	5	1	0	8	8	0	8	7	7	7	7
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Pituitary Gland																													
Pars Distalis, Adenoma																													
Thyroid Gland																													
General Body System																													
NONE																													
Genital System																													
Epididymis																													
Preputial Gland																													
Prostate																													
Seminal Vesicle																													
Testes																													
Bilateral, Interstit Cell, Adenoma																													
Interstit Cell, Adenoma																													
Hematopoietic System																													
Bone Marrow																													
Lymph Node, Mandibular																													
Lymph Node, Mesenteric																													
Spleen																													
Thymus																													
Epithel Cell, Thymoma Benign																													
Integumentary System																													

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:54
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Male
100 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	7	3	6	6	6	6	5	7	4	4	6	5	5	5	7	6	6	6	6	6	4	7	4	5	7	5	6	
	1	0	1	6	1	7	5	1	2	5	9	0	3	9	2	1	8	5	6	6	2	8	5	1	5	5	1	9	6
	4	2	5	7	4	0	5	1	9	8	2	4	3	3	7	2	1	1	5	1	0	8	8	0	8	7	7	7	7
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Integumentary System

Mammary Gland + M
 Skin + +

Musculoskeletal System

Bone + +

Nervous System

Brain + +

Respiratory System

Lung + +
 Alveolar/Bronchiolar Adenoma
 Nose + +
 Trachea + +

Special Senses System

NONE

Urinary System

Kidney + +
 Urinary Bladder + +

SYSTEMIC LESIONS

Multiple Organ + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:54
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
100 MG/KG

ANIMAL ID

***TOTALS**

Alimentary System

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Mesentery	1
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
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Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	9

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:54
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
100 MG/KG

ANIMAL ID

***TOTALS**

Pars Distalis, Adenoma	5
Thyroid Gland	10
General Body System	
NONE	
Genital System	
Epididymis	10
Preputial Gland	9
Prostate	10
Seminal Vesicle	10
Testes	10
Bilateral, Interstit Cell, Adenoma	1
Interstit Cell, Adenoma	3
Hematopoietic System	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	9
Epithel Cell, Thymoma Benign	1
Integumentary System	
Mammary Gland	6
Skin	10

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:54
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
100 MG/KG

ANIMAL ID

*TOTALS

Musculoskeletal System

Bone 10

Nervous System

Brain 10

Respiratory System

Lung 10

Alveolar/Bronchiolar Adenoma 1

Nose 10

Trachea 10

Special Senses System

NONE

Urinary System

Kidney 10

Urinary Bladder 10

SYSTEMIC LESIONS

Multiple Organ 10

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:54
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Female 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		6	7	6	7	3	7	6	7	7	7	7	3	4	4	4	6	7	7	6	6	6	7	7	4	4	7	7	7	5	5	7
		8	3	5	3	1	3	0	0	3	3	1	6	5	5	5	7	3	3	7	8	6	3	3	2	5	2	3	3	8	4	3
ANIMAL ID		8	6	3	6	4	6	7	3	6	6	6	7	7	7	7	1	6	6	4	6	5	6	6	9	7	8	6	6	2	4	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
	6	7	8	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Alimentary System

Esophagus																																	+	+	+	+	
Intestine Large, Cecum																																		+	+	+	+
Intestine Large, Colon																																		+	+	+	+
Intestine Large, Rectum																																		+	+	+	+
Intestine Small, Duodenum																																		+	+	+	+
Intestine Small, Ileum																																		+	+	+	+
Intestine Small, Jejunum																																		+	+	+	+
Liver																																		+	+	+	+
Pancreas																																		+	+	+	+
Salivary Glands																																		+	+	+	+
Stomach, Forestomach																																		+	+	+	+
Stomach, Glandular																																		+	+	+	+

Cardiovascular System

Heart																																		+	+	+	+
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	---

Endocrine System

Adrenal Gland, Cortex																																		+	+	+	+
Adrenal Gland, Medulla																																		+	+	+	+
Islets, Pancreatic																																		+	+	+	+
Parathyroid Gland																																		+	+	+	+
Pituitary Gland																																		+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:54

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat Female
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	6	7	6	7	3	7	6	7	7	7	7	3	4	4	4	6	7	7	6	6	6	7	7	4	4	7	7	7	5	7	
	8	3	5	3	1	3	0	0	3	3	1	6	5	5	5	7	3	3	7	8	6	3	3	2	5	2	3	3	8	4	3
	8	6	3	6	4	6	7	3	6	6	6	7	5	7	1	6	6	4	6	5	6	6	9	7	8	6	6	6	2	4	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Pars Distalis, Adenoma

Thyroid Gland

+ + +

+

General Body System

NONE

Genital System

Clitoral Gland

+ + +

+

Adenoma

X

Ovary

+ + +

+

Uterus

+ + +

+

Hematopoietic System

Bone Marrow

+ + +

+

Lymph Node, Mandibular

+ + +

+

Lymph Node, Mesenteric

+ + +

+

Spleen

+ + +

+

Thymus

+ + +

+

Integumentary System

Mammary Gland

+ + +

+

Skin

+ + +

+

Musculoskeletal System

Bone

+ + +

+

* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:55
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Female 0 MG/KG	DAY ON TEST		ANIMAL ID																																	
	0 6 8	0 7 6	0 7 3	0 7 5	0 7 3	0 7 1	0 7 3	0 7 0	0 7 0	0 7 3	0 7 3	0 7 1	0 7 6	0 7 5	0 7 5	0 7 5	0 7 7	0 7 1	0 7 6	0 7 6	0 7 6	0 7 7	0 7 4	0 7 4	0 7 2	0 7 5	0 7 2	0 7 3	0 7 3	0 7 8	0 7 4	0 7 5	0 7 7			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0

Nervous System

Brain + + + +

Respiratory System

Lung + + + +

Nose + + + +

Trachea + + + +

Special Senses System

NONE

Urinary System

Kidney + + + +

Urinary Bladder + + + +

SYSTEMIC LESIONS

Multiple Organ + + + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:55
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Female
 0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	6	4	5	4	4	7	6	7	6	7	4	7	7	4	7	7	7	7	4	5	6	6	4	4	7	6	4	7	
	3	5	6	5	7	3	4	3	8	3	5	3	3	2	4	3	3	3	0	2	7	5	9	5	5	1	2	5	3
	8	7	1	7	5	6	0	3	2	6	7	6	6	1	0	5	5	5	5	7	5	6	8	7	7	6	2	7	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

Alimentary System

Esophagus	+	+																							+	+	+	
Intestine Large, Cecum	+	+																								+	+	+
Intestine Large, Colon	+	+																								+	+	+
Intestine Large, Rectum	+	+																								+	+	+
Intestine Small, Duodenum	+	+																								+	+	+
Intestine Small, Ileum	+	+																								+	+	+
Intestine Small, Jejunum	+	+																								+	+	+
Liver	+	+																								+	+	+
Pancreas	+	+																								+	+	+
Salivary Glands	+	+																								+	+	+
Stomach, Forestomach	+	+																								+	+	+
Stomach, Glandular	+	+																								+	+	+

Cardiovascular System

Heart	+	+																								+	+	+
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Endocrine System

Adrenal Gland, Cortex	+	+																								+	+	+
Adrenal Gland, Medulla	+	+																								+	+	+
Islets, Pancreatic	+	+																								+	+	+
Parathyroid Gland	+	+																								+	+	+
Pituitary Gland	+	+																								+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:55

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat Female
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	6	4	5	4	4	7	6	7	6	7	4	7	7	4	7	7	7	4	5	6	6	4	4	7	6	4	7		
	3	5	6	5	7	3	4	3	8	3	5	3	3	2	4	3	3	3	0	2	7	5	9	5	5	1	2	5	3
	8	7	1	7	5	6	0	3	2	6	7	6	6	1	0	5	5	5	5	7	5	6	8	7	7	6	2	7	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

Pars Distalis, Adenoma	X																																					
Thyroid Gland	+																								+								+					
General Body System																																						
NONE																																						
Genital System																																						
Clitoral Gland	+																								+								+					
Adenoma																																						
Ovary	+																								+								+					
Uterus	+																								+								+					
Hematopoietic System																																						
Bone Marrow	+																								+								+					
Lymph Node, Mandibular	+																								+								+					
Lymph Node, Mesenteric	+																								+								+					
Spleen	+																								+								+					
Thymus	+																								+								+					
Integumentary System																																						
Mammary Gland	+																								+								+					
Skin	+																								+								+					
Musculoskeletal System																																						
Bone	+																								+								+					

* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:55
 First Dose M/F: NA / NA
 Lab: TSI MASON

**F 344/N Rat Female
 0 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	4	5	4	4	7	6	7	6	7	4	7	7	7	4	7	7	7	4	5	6	6	4	4	7	6	4	7	
	3	5	6	5	7	3	4	3	8	3	5	3	3	2	4	3	3	3	0	2	7	5	9	5	5	1	2	5	3
	8	7	1	7	5	6	0	3	2	6	7	6	6	1	0	5	5	5	5	7	5	6	8	7	7	6	2	7	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

Nervous System

Brain + + + + +

Respiratory System

Lung + + + + +
 Nose + + + + +
 Trachea + + + + +

Special Senses System

NONE

Urinary System

Kidney + + + + +
 Urinary Bladder + + + + +

SYSTEMIC LESIONS

Multiple Organ + + + + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:55

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
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Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	10
Pars Distalis, Adenoma	1

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:55
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
0 MG/KG

ANIMAL ID

*TOTALS

Thyroid Gland	10
General Body System	
NONE	
Genital System	
Clitoral Gland	10
Adenoma	1
Ovary	10
Uterus	10
Hematopoietic System	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	10
Integumentary System	
Mammary Gland	10
Skin	10
Musculoskeletal System	
Bone	10
Nervous System	
Brain	10

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:55
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

Lung	10
Nose	10
Trachea	10

Special Senses System

NONE

Urinary System

Kidney	10
Urinary Bladder	10

SYSTEMIC LESIONS

Multiple Organ	10
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* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:55
 First Dose M/F: NA / NA
 Lab: TSI MASON

**F 344/N Rat Female
 60 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	7	6	7	7	7	7	4	4	5	7	7	7	7	7	7	7	7	7	4	4	7	7	7	4	2	2	4	7	6	5	6
	3	4	0	3	3	2	5	5	5	3	3	3	3	3	0	1	3	3	5	3	3	0	4	5	3	5	0	5	2	7	
	5	9	5	5	5	8	7	7	6	5	5	5	5	5	9	3	5	5	7	5	5	9	4	6	2	7	7	2	6	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Alimentary System

Esophagus																																		
Intestine Large, Cecum																																		
Intestine Large, Colon																																		
Intestine Large, Rectum																																		
Intestine Small, Duodenum																																		
Intestine Small, Ileum																																		
Intestine Small, Jejunum																																		
Liver																																		
Pancreas																																		
Salivary Glands																																		
Stomach, Forestomach																																		
Stomach, Glandular																																		

Cardiovascular System

Heart																																	
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Endocrine System

Adrenal Gland, Cortex																																		
Adrenal Gland, Medulla																																		
Islets, Pancreatic																																		
Parathyroid Gland																																		
Pituitary Gland																																		

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:56
 First Dose M/F: NA / NA
 Lab: TSI MASON

**F 344/N Rat Female
 60 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	6	7	7	7	7	4	4	5	7	7	7	7	7	7	7	7	7	4	4	7	7	7	4	2	2	4	7	6	5	6
	3	4	0	3	3	2	5	5	5	3	3	3	3	3	0	1	3	3	5	3	3	0	4	5	3	5	0	5	2	7	
	5	9	5	5	5	8	7	7	6	5	5	5	5	5	9	3	5	5	7	5	9	4	6	2	7	7	2	6	5		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Musculoskeletal System

Bone + + + +

Nervous System

Brain + + + +
 Astrocytoma Malignant X

Respiratory System

Lung + + + +
 Nose + + + +
 Trachea + + + +

Special Senses System

NONE

Urinary System

Kidney + + + +
 Urinary Bladder + + + +

SYSTEMIC LESIONS

Multiple Organ + + + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:56

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F 344/N Rat Female 60 MG/KG	4	7	7	7	4	4	4	7	4	7	4	4	7	7	7	4	4	6	7	7	3	6	7	7	4	7	7	6	
	5	3	3	3	9	5	5	3	5	3	5	2	3	0	3	3	7	5	8	3	3	8	3	3	8	3	3	2	
	7	5	5	5	4	7	7	5	7	5	7	2	5	9	5	5	7	7	8	5	5	5	6	5	5	8	5	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

Pars Distalis, Adenoma																														
Thyroid Gland	+						+	+		+	+																			
General Body System																														
NONE																														
Genital System																														
Clitoral Gland	+						+	+		+	+																			
Adenoma	X																													
Ovary	+						+	+		+	+																			
Uterus	+						+	+		+	+																			
Polyp Stromal																														
Hematopoietic System																														
Bone Marrow	+						+	+		+	+																			
Lymph Node, Mandibular	+						+	+		+	+																			
Lymph Node, Mesenteric	+						+	+		+	+																			
Spleen	+						+	+		+	+																			
Thymus	+						+	M		+	+																			
Integumentary System																														
Mammary Gland	+						+	+		+	+																			
Fibroadenoma																														
Skin	+						+	+		+	+																			

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:56
 First Dose M/F: NA / NA
 Lab: TSI MASON

**F 344/N Rat Female
 60 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	4	7	7	7	4	4	4	7	4	7	4	4	7	7	7	4	4	6	7	7	3	6	7	7	4	7	7	6	
	5	3	3	3	9	5	5	3	5	3	5	2	3	0	3	3	7	5	8	3	3	3	8	3	3	8	3	3	2
	7	5	5	5	4	7	7	5	7	5	7	2	5	9	5	5	7	8	5	5	5	6	5	5	8	5	5	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

Musculoskeletal System

Bone + + + + +

Nervous System

Brain + + + + +

Astrocytoma Malignant

Respiratory System

Lung + + + + +

Nose + + + + +

Trachea + + + + +

Special Senses System

NONE

Urinary System

Kidney + + + + +

Urinary Bladder + + + + +

SYSTEMIC LESIONS

Multiple Organ + + + + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:56
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
60 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
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Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	10
Pars Distalis, Adenoma	1

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:56

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
60 MG/KG

ANIMAL ID

*TOTALS

Thyroid Gland	10
General Body System	
NONE	
Genital System	
Clitoral Gland	10
Adenoma	1
Ovary	10
Uterus	10
Polyp Stromal	1
Hematopoietic System	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	9
Integumentary System	
Mammary Gland	10
Fibroadenoma	1
Skin	10
Musculoskeletal System	
Bone	10

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:56
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
60 MG/KG

ANIMAL ID

*TOTALS

Nervous System

Brain	10
Astrocytoma Malignant	1

Respiratory System

Lung	10
Nose	10
Trachea	10

Special Senses System

NONE

Urinary System

Kidney	10
Urinary Bladder	10

SYSTEMIC LESIONS

Multiple Organ	10
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* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:56
 First Dose M/F: NA / NA
 Lab: TSI MASON

**F 344/N Rat Female
 100 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	6	7	7	7	5	7	7	4	6	5	4	4	7	4	6	7	1	6	4	7	7	6	7	5	6	7	6	5	7	6
	5	6	3	3	3	6	2	3	5	8	0	5	5	3	6	9	3	9	2	1	0	3	4	3	1	1	3	8	4	3	3
	7	6	5	5	5	8	8	5	7	6	7	7	7	5	4	9	5	6	2	4	6	5	8	5	7	5	5	2	6	5	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Alimentary System

Esophagus	+				+				+	+																												
Intestine Large, Cecum	+								+																													
Intestine Large, Colon	+								+																													
Intestine Large, Rectum	+								+																													
Intestine Small, Duodenum	+								+																													
Intestine Small, Ileum	+								+																													
Intestine Small, Jejunum	+								+																													
Liver	+								+																													
Mesentery									+																													
Pancreas	+								+																													
Salivary Glands	+								+																													
Stomach, Forestomach	+								+																													
Stomach, Glandular	+								+																													

Cardiovascular System

Heart	+								+																													
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Endocrine System

Adrenal Gland, Cortex	+								+																													
Adrenal Gland, Medulla	+								+																													
Islets, Pancreatic	+								+																													
Parathyroid Gland	+								+																													

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:57

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																																	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
F 344/N Rat Female	4	6	7	7	7	5	7	7	4	6	5	4	4	7	4	6	7	1	6	4	7	7	6	7	5	6	7	6	5	7	6	5	7	6
100 MG/KG	5	6	3	3	3	6	2	3	5	8	0	5	5	3	6	9	3	9	2	1	0	3	4	3	1	1	3	8	4	3	3	3	3	
	7	6	5	5	5	8	8	5	7	6	7	7	7	5	4	9	5	6	2	4	6	5	8	5	7	5	5	2	6	5	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Pituitary Gland	+									+									+															
Pars Distalis, Adenoma													X																					
Thyroid Gland	+									+									+															
General Body System	NONE																																	
Genital System																																		
Clitoral Gland	+									+									+															
Ovary	+									+									+															
Uterus	+									+									+															
Polyp Stromal																																		
Hematopoietic System																																		
Bone Marrow	+									+									+															
Lymph Node, Mandibular	+									+									+															
Lymph Node, Mesenteric	+									+									+															
Spleen	+									+									+															
Thymus	+									+									+															
Integumentary System																																		
Mammary Gland	+									+									+															
Skin	+									+									+															
Musculoskeletal System																																		

* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:57

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
F 344/N Rat Female	4	6	7	7	7	5	7	7	4	6	5	4	4	7	4	6	7	1	6	4	7	7	6	7	5	6	7	6	5	7	6
100 MG/KG	5	6	3	3	3	6	2	3	5	8	0	5	5	3	6	9	3	9	2	1	0	3	4	3	1	1	3	8	4	3	3
	7	6	5	5	5	8	8	5	7	6	7	7	5	4	9	5	6	2	4	6	5	8	5	7	5	5	2	6	5	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
Bone	+																														
Nervous System																															
Brain	+																														
Respiratory System																															
Lung	+																														
Nose	+																														
Trachea	+																														
Special Senses System																															
Eye																															
Urinary System																															
Kidney	+																														
Urinary Bladder	+																														
SYSTEMIC LESIONS																															
Multiple Organ	+																														

* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 05069-10
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:57
 First Dose M/F: NA / NA
 Lab: TSI MASON

F 344/N Rat Female
 100 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	4	4	7	4	7	7	4	4	7	7	6	4	7	5	7	6	7	6	4	6	6	7	6	6	7	6	5	7	7
	3	5	5	3	5	3	3	5	5	3	1	1	5	3	6	2	4	3	6	5	2	3	3	8	3	8	8	3	1	
	5	7	7	5	7	5	5	0	7	5	6	9	7	5	3	8	2	5	8	7	5	5	1	5	5	2	0	5	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Alimentary System

Esophagus	+	+	+						+					+																
Intestine Large, Cecum	+	+	+						+					+																
Intestine Large, Colon	+	+	+						+					+																
Intestine Large, Rectum	+	+	+						+					+																
Intestine Small, Duodenum	+	+	+						+					+																
Intestine Small, Ileum	+	+	+						+					+																
Intestine Small, Jejunum	+	+	+						+					+																
Liver	+	+	+						+					+																
Mesentery	+																													
Pancreas	+	+	+						+					+																
Salivary Glands	+	+	+						+					+																
Stomach, Forestomach	+	+	+						+					+																
Stomach, Glandular	+	+	+						+					+																

Cardiovascular System

Heart	+	+	+						+					+																
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Endocrine System

Adrenal Gland, Cortex	+	+	+						+					+																
Adrenal Gland, Medulla	+	+	+						+					+																
Islets, Pancreatic	+	+	+						+					+																
Parathyroid Gland	+	+	+						+					+																

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:57

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat Female 100 MG/KG	DAY ON TEST																													
	0 7	0 4	0 4	0 7	0 4	0 7	0 7	0 4	0 4	0 7	0 7	0 6	0 4	0 7	0 5	0 7	0 6	0 7	0 6	0 4	0 6	0 7	0 6	0 6	0 7	0 6	0 5	0 7	0 7	
ANIMAL ID	3	5	5	3	5	3	3	5	5	3	1	1	5	3	6	2	4	3	6	5	2	3	3	8	3	8	8	3	1	
	5	7	7	5	7	5	5	0	7	5	6	9	7	5	3	8	2	5	8	7	5	5	5	1	5	5	2	0	5	2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
Pituitary Gland		+	+		+				+				+							+										
Pars Distalis, Adenoma				X																										
Thyroid Gland		+	+		+				+				+							+										
General Body System																														
NONE																														
Genital System																														
Clitoral Gland		+	+		+				+				+							+										
Ovary		+	+		+				+				+							+										
Uterus		+	+		+				+				+							+										
Polyp Stromal				X																										
Hematopoietic System																														
Bone Marrow		+	+		+				+				+							+										
Lymph Node, Mandibular		+	+		+				+				+							+										
Lymph Node, Mesenteric		+	+		+				+				+							+										
Spleen		+	+		+				+				+							+										
Thymus		+	+		+				+				+							+										
Integumentary System																														
Mammary Gland		+	+		+				+				+							+										
Skin		+	+		+				+				+							+										
Musculoskeletal System																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

Time Report Requested: 01:29:57

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																													
	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735	0735		
F 344/N Rat Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
100 MG/KG	7	4	4	7	4	7	7	4	4	7	7	6	4	7	5	7	6	7	6	4	6	7	6	6	7	6	5	7	7	
	3	5	5	3	5	3	3	5	5	3	1	1	5	3	6	2	4	3	6	5	2	3	3	8	3	8	8	3	1	
	5	7	7	5	7	5	5	0	7	5	6	9	7	5	3	8	2	5	8	7	5	5	1	5	5	2	0	5	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Bone		+	+		+				+				+							+										
Nervous System																														
Brain		+	+		+				+				+																	
Respiratory System																														
Lung		+	+		+				+				+																	
Nose		+	+		+				+				+																	
Trachea		+	+		+				+				+																	
Special Senses System																														
Eye																														
Urinary System																														
Kidney		+	+		+				+				+																	
Urinary Bladder		+	+		+				+				+																	
SYSTEMIC LESIONS																														
Multiple Organ		+	+		+				+				+																	

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:57
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Female
100 MG/KG

ANIMAL ID

***TOTALS**

Alimentary System

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Mesentery	2
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
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Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	10

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Experiment Number: 05069-10
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
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DAY ON TEST

F 344/N Rat Female
100 MG/KG

ANIMAL ID

***TOTALS**

Pars Distalis, Adenoma	2
Thyroid Gland	10
General Body System	
NONE	
Genital System	
Clitoral Gland	10
Ovary	10
Uterus	10
Polyp Stromal	1
Hematopoietic System	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	10
Integumentary System	
Mammary Gland	10
Skin	10
Musculoskeletal System	
Bone	10
Nervous System	

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DAY ON TEST

F 344/N Rat Female
100 MG/KG

ANIMAL ID

*TOTALS

Brain	10
Respiratory System	
Lung	10
Nose	10
Trachea	10
Special Senses System	
Eye	1
Urinary System	
Kidney	10
Urinary Bladder	10
SYSTEMIC LESIONS	
Multiple Organ	10

** END OF REPORT **

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