

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:38
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

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Table with columns: DAY ON TEST, F 344/N Rat Male, 0 MG/KG, ANIMAL ID, and 30 columns of numerical data.

Alimentary System

Table listing Alimentary System organs (Esophagus, Intestine Large, Intestine Small, Liver, etc.) with corresponding symbols (+, X) in columns.

Cardiovascular System

Table listing Cardiovascular System organ (Heart) with corresponding symbols (+, X) in columns.

Endocrine System

Table listing Endocrine System organs (Adrenal Gland, Cortex, Adrenal Gland, Medulla) with corresponding symbols (+, X) in columns.

* ..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

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Species/Strain: Rat/F 344/N

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Date Report Requested: 10/21/2014

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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	0			
		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	
		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	0	
	ANIMAL ID	7	2	9	7	9	9	9	9	8	5	9	9	6	8	1	3	8	8	9	4	2	8	0	7	9	5	3	1	2	2		
Islets, Pancreatic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Parathyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pituitary Gland	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3		
Thyroid Gland	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			
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										+									+	+			+										
Leukemia Mononuclear																																	

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 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	0	0	0	0	0	0	0
	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				
	1	7	2	8	2	2	2	2	2	5	2	2	2	8	7	1	5	5	2	5	5	7	9	2	7	0	6	6	0						
	7	2	9	7	9	9	9	9	9	8	5	9	9	6	8	1	3	8	8	9	4	2	8	0	7	9	5	3	1	2	2				
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	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	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	1	2	3	4	5

Thymus																																						
Leukemia Mononuclear																																						
Integumentary System																																						
Mammary Gland																																						
Skin																																						
Musculoskeletal System																																						
Bone																																						
Nervous System																																						
Brain																																						
Respiratory System																																						
Lung																																						
Nose																																						
Trachea																																						
Special Senses System																																						
Ear																																						
Fibrosarcoma																																						
Urinary System																																						
Kidney																																						
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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	0	0	0	0	0
	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		
	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	9	6	8	1	3	8	8	9	4	2	8	0	7	9	5	3	1	2	2		
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	1	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	1	2	3	4	5	6	7	8	9	0	1	2	2	3	4	5	6	7	8	9	0	

SYSTEMIC LESIONS

Multiple Organ

Leukemia Mononuclear

+

+ +

+

X

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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		
	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	
	8	6	5	1	8	5	5	5	4	2	0	8	4	1	5	1	0	5	1	8	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	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	0

Alimentary System

Esophagus																															
Intestine Large, Cecum																															
Intestine Large, Colon																															
Intestine Large, Rectum																															
Intestine Small, Duodenum																															
Intestine Small, Ileum																															
Intestine Small, Jejunum																															
Liver																															
Leukemia Mononuclear				X																											
Mesentery																															
Pancreas																															
Acinus, Adenoma																															
Salivary Glands																															
Stomach, Forestomach																															
Stomach, Glandular																															

Cardiovascular System

Heart																															
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Endocrine System

Adrenal Gland, Cortex																															
Adrenal Gland, Medulla																															

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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	0
ANIMAL ID	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	0
Islets, Pancreatic			+			+	+	+							+														
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			X									X																	
Interstit Cell, Adenoma								X																					
Hematopoietic System																													
Bone Marrow			+			+	+	+							+														
Lymph Node, Mandibular			+			M	+	+							+														
Lymph Node, Mesenteric			+			+	+	+							+														
Spleen			+			+	+	+							+														
Leukemia Mononuclear			X																										

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 Lab: TSI MASON

F 344/N Rat Male 0 MG/KG	DAY ON TEST																												
	0 4 8 5	0 6 6 0	0 4 5 8	0 7 1 0	0 5 8 6	0 4 5 8	0 4 5 8	0 4 5 8	0 5 4 9	0 6 2 8	0 5 0 5	0 6 8 4	0 6 4 1	0 6 6 7	0 4 1 8	0 7 5 5	0 7 0 3	0 4 8 4	0 5 1 2	0 6 9 8	0 4 9 0	0 5 8 5	0 7 2 9	0 6 2 8	0 6 2 7	0 6 1 9	0 6 1 9	0 6 3 1	
ANIMAL ID	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 5	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 0 4 5	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0
Thymus			+			+	+	M						M			+												
Leukemia Mononuclear																													
Integumentary System																													
Mammary Gland			+			M	+	+						M			+												
Skin			+			+	+	+						+			+												
Musculoskeletal System																													
Bone			+			+	+	+						+			+												
Nervous System																													
Brain			+			+	+	+						+			+												
Respiratory System																													
Lung			+			+	+	+						+			+												
Nose			+			+	+	+						+			+												
Trachea			+			+	+	+						+			+												
Special Senses System																													
Ear			+																										
Fibrosarcoma			X																										
Urinary System																													
Kidney			+			+	+	+						+			+												
Urinary Bladder			+			+	+	+						+			+												

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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				
	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	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	0	0	0	
	3	3	3	3	3	3	3	3	4	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	0	

SYSTEMIC LESIONS

Multiple Organ																													
Leukemia Mononuclear				X																									

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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
Leukemia Mononuclear	2
Mesentery	3
Pancreas	10
Acinus, Adenoma	1
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
-------	----

Endocrine System

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

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First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
0 MG/KG

ANIMAL ID	*TOTALS
<hr/>	
Parathyroid Gland	9
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
Leukemia Mononuclear	2
Thymus	8
Leukemia Mononuclear	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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:40
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
0 MG/KG

ANIMAL ID

*TOTALS

Integumentary System

Mammary Gland	8
Skin	10

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

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:40

First Dose M/F: NA / NA

Lab: TSI MASON

F 344/N Rat Male
60 MG/KG

Table with columns for DAY ON TEST (0-30) and ANIMAL ID (1-30). Rows show numerical data for each day and animal.

Alimentary System

Table listing findings for the Alimentary System: Esophagus, Intestine Large (Cecum, Colon, Rectum), Intestine Small (Duodenum, Ileum, Jejunum), Liver, Leukemia Mononuclear, Pancreas, Salivary Glands, Stomach (Forestomach, Glandular).

Cardiovascular System

Table listing findings for the Cardiovascular System: Heart.

Endocrine System

Table listing findings for the Endocrine System: Adrenal Gland (Cortex, 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

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:40

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	
		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	4	7	6	7
	ANIMAL ID	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	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	9	9	
	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	
Pituitary Gland			+						+				+							+												
Pars Distalis, Adenoma																																
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											X												
Interstit Cell, Adenoma																																
Hematopoietic System																																
Bone Marrow			+						+				+							+												
Lymph Node, Mandibular			+						+				+							+												
Lymph Node, Mesenteric			+						+				+							+												
Spleen			+						+				+							+												
Leukemia Mononuclear																																

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:41
 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	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	4	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	
	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	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	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	8	8	8	8	8	8	8	8	8	8	8	9	9
	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	

Thymus																																
Integumentary System																																
Mammary Gland																																
Skin																																
Musculoskeletal System																																
Bone																																
Nervous System																																
Brain																																
Respiratory System																																
Lung																																
Leukemia Mononuclear																																
Nose																																
Trachea																																
Special Senses System																																
NONE																																
Urinary System																																
Kidney																																
Urinary Bladder																																
SYSTEMIC LESIONS																																

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:41

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																												
	0708	0633	0729	0723	0457	0575	0665	0459	0529	0661	0459	0571	0722	0649	0466	0446	0447	0777	0555	0568	0668	0665	0599	0552	0652	0656	0599	0522	0662
F 344/N Rat Male 60 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pituitary Gland					+			+							+							+							
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																													
Interstit Cell, Adenoma					X			X														X							
Hematopoietic System																													
Bone Marrow					+			+							+							+							
Lymph Node, Mandibular					+			+							+							+							
Lymph Node, Mesenteric					+			+							+							+							
Spleen					+			+							+							+							
Leukemia Mononuclear					X																								

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:41

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		
	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	0	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

Thymus																															
Integumentary System																															
Mammary Gland																															
Skin																															
Musculoskeletal System																															
Bone																															
Nervous System																															
Brain																															
Respiratory System																															
Lung																															
Leukemia Mononuclear																															
Nose																															
Trachea																															
Special Senses System																															
NONE																															
Urinary System																															
Kidney																															
Urinary Bladder																															

SYSTEMIC LESIONS

- * ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:41

First Dose M/F: NA / NA

Lab: TSI MASON

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

DAY ON TEST	0 7	0 6	0 7	0 7	0 4	0 5	0 6	0 4	0 5	0 6	0 6	0 4	0 5	0 5	0 7	0 6	0 4	0 6	0 4	0 4	0 7	0 7	0 5	0 5	0 6	0 6	0 5	0 5	0 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
	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
	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

Multiple Organ

Leukemia Mononuclear

+ + + + +

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:41
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
Leukemia Mononuclear	2
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

Cardiovascular System

Heart	10
-------	----

Endocrine System

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	8
Pituitary Gland	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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:41

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

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

ANIMAL ID	*TOTALS
<hr/>	
Pars Distalis, Adenoma	1
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
Leukemia Mononuclear	2
Thymus	10
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:41
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male
60 MG/KG

ANIMAL ID	*TOTALS
Mammary Gland	9
Skin	10
Musculoskeletal System	
Bone	10
Nervous System	
Brain	10
Respiratory System	
Lung	10
Leukemia Mononuclear	2
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:42

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	5	6	4
	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																	
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:42

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:43
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:43
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:43
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:43

First Dose M/F: NA / NA

Lab: TSI MASON

Table with columns for DAY ON TEST and ANIMAL ID, and rows for F 344/N Rat Female and 0 MG/KG. Contains numerical data for 30 animals across 8 days.

Table showing histological findings for various organs: Pars Distalis, Adenoma; Thyroid Gland; General Body System; NONE; Genital System; Hematopoietic System; Integumentary System; 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
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:43
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST	F 344/N Rat Female 0 MG/KG																														
	0	0	0	0	0	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	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
	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	1	1	1	1	1	1	1	1	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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:43

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		
		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	4	4	4	4	4	
	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																														
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
+ ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:44
 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	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	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	2	3	3	3	3	3	3	3	3	3	3	4	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	

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:44
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:44
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:44
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:44
 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	
ANIMAL ID	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	7	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	
	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	7	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
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:44
 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
	4	7	7	7	4	4	4	7	4	7	4	4	7	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	7	8	5	5	5	6	5	5	8	5	5	9	
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	3	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	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	

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:45

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	
	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	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	8	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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:45

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
	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	7	8	5	5	5	6	5	5	8	5	5	9
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	8	8	8	8	9	9	9	9	9	9	9	9	9	0	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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:45
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:45
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:45
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:45
 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 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
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
 + ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:45

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 Female	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
100 MG/KG	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	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
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:29:46
 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	
	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
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	
	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	6	6	6	6	6	6	6	6	6	6	7	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

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

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:29:46

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	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	2
Bone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nervous System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brain	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
Respiratory System	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	6	6	6	6	6
Lung	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	5
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:46
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

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:46
First Dose M/F: NA / NA
Lab: TSI MASON

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	

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:29:46
First Dose M/F: NA / NA
Lab: TSI MASON

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 **

* ..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