

Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:31

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

**B6C3F1 Mouse 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
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
	7	7	6	7	7	5	4	4	7	4	7	7	5	4	7	6	4	4	7	7	7	7	4	7	4	7	7	7
	3	3	7	3	3	0	6	6	3	6	3	3	9	6	3	4	7	6	3	3	3	3	6	3	6	3	3	3
	1	1	7	1	1	8	3	3	1	3	1	1	8	3	1	8	1	3	1	1	1	1	3	1	3	1	2	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	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	0	0	0	0	0	0	1

Alimentary System

Esophagus						+	+	+	+		+	+			+	+				+	+						
Gallbladder						+	+	+	+		+	+			+	+				+	+						
Intestine Large, Cecum						+	+	+	+		+	+			+	+				+	+						
Intestine Large, Colon						+	+	+	+		+	+			+	+				+	+						
Intestine Large, Rectum						+	+	+	+		+	+			+	+				+	+						
Intestine Small																											
Intestine Small, Duodenum						+	+	+	+		+	+			A	+				+	+						
Intestine Small, Ileum						+	+	+	+		+	+			A	+				+	+						
Intestine Small, Jejunum						+	+	+	+		+	+			+	+				+	+						
Liver						+	+	+	+		+	+			+	+				+	+						
Hepatocellular Adenoma																				X	X						
Hepatocellular Carcinoma															X												
Schwannoma Malignant, Metastatic, Salivary Glands													X														
Mesentery																											
Hepatocellular Carcinoma, Metastatic, Liver																											
Pancreas						+	+	+	+		+	+			+	+				+	+						
Salivary Glands						+	+	+	+		+	+			+	+				+	+						
Schwannoma Malignant													X														
Stomach, Forestomach						+	+	+	+		+	+			+	+				+	+						
Stomach, Glandular						+	+	+	+		+	+			+	+				+	+						

* ..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
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 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:17:32
 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	0
B6C3F1 Mouse Male	7	7	6	7	7	5	4	4	7	4	7	7	5	4	7	6	4	4	7	7	7	7	4	7	4	7	7	7	7	7
0 MG/KG	3	3	7	3	3	0	6	6	3	6	3	3	9	6	3	4	7	6	3	3	3	3	6	3	6	3	3	2	3	3
	1	1	7	1	1	8	3	3	1	3	1	1	8	3	1	8	1	3	1	1	1	1	3	1	3	1	1	2	1	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
	1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	

Cardiovascular System

Heart + + + + + + + + + +

Endocrine System

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

General Body System

NONE

Genital System

Epididymis + + + + + + + + + +
 Preputial Gland + + + + + + + + + +
 Prostate + + + + + + + + + +
 Seminal Vesicle + + + + + + + + + +
 Testes + + + + + + + + + +

Hematopoietic System

Bone Marrow + + + + + + + + + +

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First Dose M/F: NA / NA

Lab: TSI MASON

B6C3F1 Mouse 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	
	7	7	6	7	7	5	4	4	7	4	7	7	5	4	7	6	4	4	7	7	7	7	4	7	4	7	7	7	7	
	3	3	7	3	3	0	6	6	3	6	3	3	9	6	3	4	7	6	3	3	3	3	3	6	3	6	3	3	3	
	1	1	7	1	1	8	3	3	1	3	1	1	8	3	1	8	1	3	1	1	1	1	1	3	1	1	1	1	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	
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	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	
Lymph Node																														
Lymph Node, Mandibular							+	+	+		+					+	+							+			+			
Schwannoma Malignant, Metastatic, Salivary Glands																X														
Lymph Node, Mesenteric							+	+	+		+					+	+								+			+		
Spleen							+	+	+		+					+	+								+			+		
Thymus							+	+	+		+					+	+								+			+		
Mixed Tumor Benign																														
Integumentary System																														
Mammary Gland							M	M	M		M					M	M								M			M		
Skin							+	+	+		+					+	+								+			+		
Musculoskeletal System																														
Bone							+	+	+		+					+	+								+			+		
Nervous System																														
Brain							+	+	+		+					+	+								+			+		
Respiratory System																														
Lung							+	+	+		+					+	+								+			+		
Alveolar/Bronchiolar Adenoma																														
Nose							+	+	+		+					+	+								+			+		
Trachea							+	+	+		+					+	+								+			+		

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

B6C3F1 Mouse 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
	ANIMAL ID	7	7	6	7	7	5	4	4	7	4	7	7	5	4	7	6	4	4	7	7	7	7	7	4	7	4	7	7	7	7
		3	3	7	3	3	0	6	6	3	6	3	3	9	6	3	4	7	6	3	3	3	3	6	3	6	3	3	2	3	3
		1	1	7	1	1	8	3	3	1	3	1	1	8	3	1	8	1	3	1	1	1	1	1	3	1	3	1	2	1	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
		1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	1	2	2	3	4	5	6	7

Special Senses System

NONE

Urinary System

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

SYSTEMIC LESIONS

Multiple Organ + + + + + + + +
 Lymphoma Malignant Lymphocytic

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Lab: TSI MASON

B6C3F1 Mouse 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
	7	4	7	6	7	6	7	7	7	4	7	7	7	4	7	7	7	7	7	7	6	4	7	7	7	7	7	7	7
	3	6	3	9	3	1	3	3	3	6	3	3	3	6	0	3	3	3	3	3	5	2	3	3	3	3	3	3	3
	1	3	1	1	1	7	1	1	1	3	1	1	1	3	9	1	1	1	1	1	2	8	1	1	1	1	1	1	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	5	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	+				+				+					+															+	
Gallbladder	+				+				+					+																M
Intestine Large, Cecum	+				+				+					+																A
Intestine Large, Colon	+				+				+					+																+
Intestine Large, Rectum	+				+				+					+																+
Intestine Small						+																								
Intestine Small, Duodenum	+				+				+					+																A
Intestine Small, Ileum	+				+				+					+																+
Intestine Small, Jejunum	+				+				+					+																A
Liver	+				+				+					+																+
Hepatocellular Adenoma															X															
Hepatocellular Carcinoma						X																								X
Schwannoma Malignant, Metastatic, Salivary Glands																														
Mesentery						+																								
Hepatocellular Carcinoma, Metastatic, Liver						X																								
Pancreas	+				+				+					+																+
Salivary Glands	+				+				+					+																+
Schwannoma Malignant																														
Stomach, Forestomach	+				+				+					+																+
Stomach, Glandular	+				+				+					+																+

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

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Route: DERMAL,SOLUTION

CAS Number: 147-47-7

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Species/Strain: Mouse/B6C3F1

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
B6C3F1 Mouse Male	7	4	7	6	7	6	7	7	7	4	7	7	7	4	7	7	7	7	7	7	6	4	7	7	7	7	7	7	7
0 MG/KG	3	6	3	9	3	1	3	3	3	6	3	3	3	6	0	3	3	3	3	3	5	2	3	3	3	3	3	3	3
	1	3	1	1	1	7	1	1	1	3	1	1	1	3	9	1	1	1	1	1	2	8	1	1	1	1	1	1	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	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

Cardiovascular System

Heart + + + + +

Endocrine System

Adrenal Gland + + + + +

Adrenal Gland, Cortex + + + + +

Adrenal Gland, Medulla + + + + +

Islets, Pancreatic + + + + +

Parathyroid Gland + + + + M

Pituitary Gland + + + + +

Thyroid Gland + + + + +

General Body System

NONE

Genital System

Epididymis + + + + +

Preputial Gland + + + + +

Prostate + + + + +

Seminal Vesicle + + + + +

Testes + + + + +

Hematopoietic System

Bone Marrow + + + + +

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 Lab: TSI MASON

B6C3F1 Mouse 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
ANIMAL ID	7	4	7	6	7	6	7	7	7	4	7	7	7	4	7	7	7	7	7	7	6	4	7	7	7	7	7	
	3	6	3	9	3	1	3	3	3	6	3	3	3	6	0	3	3	3	3	3	5	2	3	3	3	3	3	
	1	3	1	1	1	7	1	1	1	3	1	1	1	3	9	1	1	1	1	1	2	8	1	1	1	1	1	
Lymph Node	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lymph Node, Mandibular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Schwannoma Malignant, Metastatic, Salivary Glands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lymph Node, Mesenteric	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	6	
Spleen	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	
Thymus																												
Mixed Tumor Benign																												
Integumentary System																												
Mammary Gland																												
Skin																												
Musculoskeletal System																												
Bone																												
Nervous System																												
Brain																												
Respiratory System																												
Lung																												
Alveolar/Bronchiolar Adenoma																												
Nose																												
Trachea																												

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First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	15
Gallbladder	14
Intestine Large, Cecum	14
Intestine Large, Colon	15
Intestine Large, Rectum	15
Intestine Small	1
Intestine Small, Duodenum	13
Intestine Small, Ileum	14
Intestine Small, Jejunum	14
Liver	15
Hepatocellular Adenoma	3
Hepatocellular Carcinoma	3
Schwannoma Malignant, Metastatic, Salivary Glands	1
Mesentery	1
Hepatocellular Carcinoma, Metastatic, Liver	1
Pancreas	15
Salivary Glands	15
Schwannoma Malignant	1
Stomach, Forestomach	15
Stomach, Glandular	15

Cardiovascular System

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+ ..Tissue examined microscopically

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BLANK ..Not examined microscopically

Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:33
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

ANIMAL ID	*TOTALS
Heart	15
Endocrine System	
Adrenal Gland	14
Adrenal Gland, Cortex	15
Adrenal Gland, Medulla	15
Islets, Pancreatic	15
Parathyroid Gland	13
Pituitary Gland	15
Thyroid Gland	15
General Body System	
NONE	
Genital System	
Epididymis	15
Preputial Gland	15
Prostate	15
Seminal Vesicle	15
Testes	15
Hematopoietic System	
Bone Marrow	15
Lymph Node	1
Lymph Node, Mandibular	15

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:33
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

ANIMAL ID	*TOTALS
Schwannoma Malignant, Metastatic, Salivary Glands	1
Lymph Node, Mesenteric	15
Spleen	15
Thymus	14
Mixed Tumor Benign	1
Integumentary System	
Mammary Gland	1
Skin	15
Musculoskeletal System	
Bone	15
Nervous System	
Brain	15
Respiratory System	
Lung	15
Alveolar/Bronchiolar Adenoma	3
Nose	15
Trachea	15
Special Senses System	
NONE	
Urinary 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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:33
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

	ANIMAL ID	
		<u>*TOTALS</u>
Kidney		15
Urinary Bladder		15
SYSTEMIC LESIONS		
Multiple Organ		15
Lymphoma Malignant Lymphocytic		1

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

M ..Missing tissue
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BLANK ..Not examined microscopically

Experiment Number: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:34
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST																														
	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 6 7 4	0 4 6 3	0 4 6 3	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 4 6 3	0 4 6 3	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 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	
Adrenal Gland																															
Adrenal Gland, Cortex																															
Adrenal Gland, Medulla																															
Islets, Pancreatic																															
Parathyroid Gland																															
Pituitary Gland																															
Thyroid Gland																															
General Body System																															
NONE																															
Genital System																															
Epididymis																															
Penis																															
Preputial Gland																															
Prostate																															
Seminal Vesicle																															
Testes																															
Hematopoietic System																															
Bone Marrow																															
Lymph Node																															
Lymph Node, Mandibular																															
Lymph Node, Mesenteric																															

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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 M ..Missing tissue
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Experiment Number: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:34
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST																												
	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 6 7 4	0 4 6 3	0 4 6 3	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 4 6 3	0 4 6 3	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 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
Spleen																													
Thymus																													
Integumentary System																													
Mammary Gland																													
Skin																													
Musculoskeletal System																													
Bone																													
Nervous System																													
Brain																													
Respiratory System																													
Lung																													
Alveolar/Bronchiolar Adenoma																													
Alveolar/Bronchiolar Carcinoma																													
Nose																													
Trachea																													
Special Senses System																													
NONE																													
Urinary System																													
Kidney																													

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:34
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	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			
	7	7	7	7	7	6	4	4	7	7	7	7	7	7	7	7	7	7	7	4	4	7	7	7	7	7	7	7	7			
	3	3	3	3	3	7	6	6	3	3	3	3	3	3	3	3	3	3	6	6	3	3	3	3	3	3	3	3	3			
	1	1	1	1	1	4	3	3	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	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			
	6	6	6	6	6	6	6	6	6	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			
Urinary Bladder								+	+												+	+										
SYSTEMIC LESIONS																																
Multiple Organ								+	+												+	+										

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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M ..Missing tissue
 A ..Autolysis precludes evaluation
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Experiment Number: 05069-09

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: 01:17:34

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	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	6	7	5	4	7	7	7	7	4	6	7	6	7	4	4	7	5	6	4	7	7	7	4	7	7
	6	3	3	3	9	3	9	6	3	3	3	3	6	7	3	6	3	6	6	3	7	5	6	3	3	3	7	3	3
	3	0	0	0	8	0	2	3	0	0	0	0	3	3	0	7	0	3	3	0	9	1	3	0	0	0	1	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	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

Alimentary System

Esophagus	+							+	+				+					+	+	+	+									+
Gallbladder	+							+	+				M					+	+	+	+									A
Intestine Large, Cecum	+							+	+				+					+	+	+	+									A
Intestine Large, Colon	+							+	+				+					+	+	+	+									A
Intestine Large, Rectum	+							+	+				+					+	+	+	+									A
Intestine Small, Duodenum	+							+	+				+					+	+	+	+									A
Intestine Small, Ileum	+							+	+				+					+	+	+	+									A
Intestine Small, Jejunum	+							+	+				+					+	+	+	+									A
Liver	+							+	+				+					+	+	+	+									+
Hepatocellular Adenoma									X				X								X	X								
Hepatocellular Carcinoma																				X		X								
Pancreas	+							+	+				+					+	+	+	+									A
Salivary Glands	+							+	+				+					+	+	+	+									+
Stomach, Forestomach	+							+	+				+					+	+	+	+									A
Stomach, Glandular	+							+	+				+					+	+	+	+									A
Tongue																						+								
Squamous Cell Carcinoma																						X								

Cardiovascular System

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

Endocrine 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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:34
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	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	7	7	7	6	7	5	4	7	7	7	7	4	6	7	6	7	4	4	7	5	6	4	7	7	7	4	7	7	
ANIMAL ID	6	3	3	3	9	3	9	6	3	3	3	3	6	7	3	6	3	6	6	3	7	5	6	3	3	3	7	3	3	
	3	0	0	0	8	0	2	3	0	0	0	0	3	3	0	7	0	3	3	0	9	1	3	0	0	0	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	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	0	0	0	0	0	0	0	
	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	
Adrenal Gland	+							+	+																					
Adrenal Gland, Cortex	+							+	+																					
Adrenal Gland, Medulla	+							+	+																					
Islets, Pancreatic	+							+	+																					
Parathyroid Gland	M							+	+																					
Pituitary Gland	+							+	+																					
Thyroid Gland	+							+	+																					
General Body System																														
NONE																														
Genital System																														
Epididymis	+							+	+																					
Penis																														
Preputial Gland	+							+	+																					
Prostate	+							+	+																					
Seminal Vesicle	+							+	+																					
Testes	+							+	+																					
Hematopoietic System																														
Bone Marrow	+							+	+																					
Lymph Node								+																						
Lymph Node, Mandibular	+							+	+																					
Lymph Node, Mesenteric	+							+	+																					

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:34
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST																												
	0 4 6 3	0 7 3 0	0 7 3 0	0 7 3 0	0 6 9 8	0 7 3 0	0 5 9 2	0 4 6 3	0 7 3 0	0 7 3 0	0 7 3 0	0 7 3 0	0 4 6 3	0 6 7 3	0 7 3 0	0 6 3 6	0 7 3 0	0 4 4 3	0 7 5 9	0 5 6 1	0 4 7 3	0 7 3 0	0 7 3 0	0 7 3 0	0 4 3 0	0 7 3 0	0 7 3 0	0 4 7 3	
ANIMAL ID	0 0 0 9 2	0 0 0 9 3	0 0 0 9 4	0 0 0 9 5	0 0 0 9 6	0 0 0 9 7	0 0 0 9 8	0 0 0 9 9	0 0 0 0 0	0 0 0 0 0	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 2
Spleen	+						+		+						+		+		M		+						M		
Thymus	+						+		+						+		+		+		+						A		
Integumentary System																													
Mammary Gland	M						M		M				M				M		M		M		+				M		
Skin	+						+		+				+				+		+		+		+				+		
Musculoskeletal System																													
Bone	+						+		+				+				+		+		+		+				+		
Nervous System																													
Brain	+						+		+				+				+		+		+		+				+		
Respiratory System																													
Lung	+						+		+				+				+		+		+		+				+		
Alveolar/Bronchiolar Adenoma							X																						
Alveolar/Bronchiolar Carcinoma							X																						
Nose	+						+		+				+				+		+		+		+				+		
Trachea	+						+		+				+				+		+		+		+				+		
Special Senses System																													
NONE																													
Urinary System																													
Kidney	+						+		+				+				+		+		+		+				+		

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
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Experiment Number: 05069-09

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: 01:17:34

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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
B6C3F1 Mouse Male	4	7	7	7	6	7	5	4	7	7	7	7	4	6	7	6	7	4	4	7	5	6	4	7	7	7	4	7	7
6.0 MG/K	6	3	3	3	9	3	9	6	3	3	3	3	6	7	3	6	3	6	6	3	7	5	6	3	3	3	7	3	3
	3	0	0	0	8	0	2	3	0	0	0	0	3	3	0	7	0	3	3	0	9	1	3	0	0	0	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	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
Urinary Bladder	+																												
SYSTEMIC LESIONS																													
Multiple Organ	+																												

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

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Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:35
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
6.0 MG/K

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	13
Gallbladder	10
Intestine Large, Cecum	12
Intestine Large, Colon	12
Intestine Large, Rectum	12
Intestine Small, Duodenum	12
Intestine Small, Ileum	12
Intestine Small, Jejunum	12
Liver	13
Hepatocellular Adenoma	5
Hepatocellular Carcinoma	2
Pancreas	12
Salivary Glands	13
Stomach, Forestomach	12
Stomach, Glandular	12
Tongue	1
Squamous Cell Carcinoma	1

Cardiovascular System

Heart	13
-------	----

Endocrine System

Adrenal Gland	10
---------------	----

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

M ..Missing tissue
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BLANK ..Not examined microscopically

Experiment Number: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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: 01:17:35

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

**B6C3F1 Mouse Male
6.0 MG/K**

ANIMAL ID	*TOTALS
General Body System	
NONE	
Genital System	
Epididymis	13
Penis	1
Preputial Gland	13
Prostate	13
Seminal Vesicle	13
Testes	13
Hematopoietic System	
Bone Marrow	13
Lymph Node	1
Lymph Node, Mandibular	13
Lymph Node, Mesenteric	12
Spleen	11
Thymus	12

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:35
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
6.0 MG/K

ANIMAL ID	*TOTALS
Integumentary System	
Mammary Gland	1
Skin	13
Musculoskeletal System	
Bone	13
Nervous System	
Brain	12
Respiratory System	
Lung	13
Alveolar/Bronchiolar Adenoma	1
Alveolar/Bronchiolar Carcinoma	1
Nose	13
Trachea	13
Special Senses System	
NONE	
Urinary System	
Kidney	13
Urinary Bladder	13
SYSTEMIC LESIONS	
Multiple Organ	13

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:35
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		
	6	7	7	7	4	4	4	3	7	7	5	7	7	7	7	7	6	7	7	6	7	7	5	7	4	4	4	4	7	7	7
ANIMAL ID	8	2	2	2	6	6	6	1	2	2	7	2	2	2	2	2	4	2	2	1	2	2	6	2	6	6	6	2	2	2	2
	4	9	9	2	3	3	3	6	9	9	6	9	9	9	9	9	9	9	9	9	9	9	9	6	9	3	3	3	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	0	0	0	0	0
	0	0	0	0	0	0	0	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	1	1
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	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	0	1

Alimentary System

Esophagus						+	+	+	+	+												+			+	+	+				
Gallbladder																							+		A			+	+	+	
Intestine Large, Cecum																										+	+	+	+	+	
Intestine Large, Colon																										+	+	+	+	+	
Intestine Large, Rectum																										+	+	+	+	+	
Intestine Small, Duodenum																										+	+	+	+	+	
Intestine Small, Ileum																										+	+	+	+	+	
Intestine Small, Jejunum																										+	+	+	+	+	
Liver																											+	+	+	+	+
Carcinoma, Metastatic, Islets, Pancreatic																															
Hepatocellular Adenoma																															
Mesentery																															
Pancreas																															
Salivary Glands																															
Stomach, Forestomach																															
Stomach, Glandular																															
Tooth																															

Cardiovascular System

Heart																															
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Endocrine 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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:35
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 10.0 MG/KG	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			
		6	7	7	7	4	4	4	3	7	7	5	7	7	7	7	7	6	7	7	6	7	7	5	7	4	4	4	7	7	7	7
		8	2	2	2	6	6	6	1	2	2	7	2	2	2	2	4	2	2	1	2	2	6	2	6	6	6	6	2	2	2	2
	4	9	9	2	3	3	3	6	9	9	6	9	9	9	9	9	9	9	9	9	9	9	6	9	3	3	3	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	0	0	0	0	0	
	0	0	0	0	0	0	0	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	1		
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	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	0		
Adrenal Gland						+		+																								
Adrenal Gland, Cortex						+	+	+	+												+											
Adrenal Gland, Medulla						+	+	+	+												+											
Islets, Pancreatic						+	+	+	A												+											
Carcinoma																																
Parathyroid Gland						+	+	+	+												+											
Pituitary Gland						+	+	+	+												+											
Thyroid Gland						+	+	+	+												+											
Follicular Cel, Adenoma																					+											
General Body System																																
NONE																																
Genital System																																
Epididymis						+	+	+	+												+											
Penis																					+											
Preputial Gland						+	+	+	+												+											
Prostate						+	+	+	+												+											
Seminal Vesicle						+	+	+	+												+											
Testes						+	+	+	+												+											
Hematopoietic System																																
Bone Marrow						+	+	+	+												+											
Lymph Node, Mandibular						+	+	+	+												+											

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:35
 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			
B6C3F1 Mouse Male	6	7	7	7	4	4	4	3	7	7	5	7	7	7	7	7	6	7	7	6	7	7	5	7	4	4	4	4	7	7	7	7
10.0 MG/KG	8	2	2	2	6	6	6	1	2	2	7	2	2	2	2	4	2	2	1	2	2	6	2	6	6	6	6	6	2	2	2	2
	4	9	9	2	3	3	3	6	9	9	6	9	9	9	9	9	9	9	9	9	9	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	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	1	1	
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	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	0	1	
Lymph Node, Mesenteric					+	+	+	+			+										+		M		+	+	+					
Spleen					+	+	+	+			+										+		+		+	+	+					
Thymus					+	+	+	+			+										+		+		+	+	+					
Integumentary System																																
Mammary Gland					M	M	M	M			M										+		M		M	M	M					
Skin					+	+	+	+			+										+		+		+	+	+					
Musculoskeletal System																																
Bone					+	+	+	+			+										+		+		+	+	+					
Nervous System																																
Brain					+	M	+	+			+										+		+		+	+	+					
Respiratory System																																
Lung					+	+	+	+			+										+		+		+	+	+					
Nose					+	+	+	+			+										+		+		+	+	+					
Trachea					+	+	+	+			+										+		+		+	+	+					
Special Senses System																																
Harderian Gland																																
Adenoma																																
Urinary System																																
Kidney					+	+	+	+			+										+		+		+	+	+					

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:35
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																												
	064	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067	067
B6C3F1 Mouse Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0 MG/KG	6	7	7	7	4	4	4	3	7	7	5	7	7	7	7	7	6	7	7	6	7	7	5	7	4	4	4	7	7
	8	2	2	2	6	6	6	1	2	2	7	2	2	2	2	2	4	2	2	1	2	2	6	2	6	6	6	2	2
	4	9	9	2	3	3	3	6	9	9	6	9	9	9	9	9	9	9	9	9	9	9	6	9	3	3	3	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	0	0	0
	0	0	0	0	0	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	4
	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
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: 05069-09

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: 01:17:35

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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
B6C3F1 Mouse Male 10.0 MG/KG		7	7	7	7	7	4	7	7	7	7	7	7	4	7	4	7	7	6	7	6	7	4	6	7	7	7	7	7	7	7	7
		2	2	2	2	2	6	2	2	2	2	2	3	3	6	3	6	3	3	5	3	5	3	6	5	3	3	3	3	3	3	3
		9	9	9	9	9	3	9	9	9	9	9	9	0	0	3	3	0	0	5	0	9	0	3	6	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
		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	1	1
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	8	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	0	0

Alimentary System

Esophagus							+								+	+							+											
Gallbladder							+								+	+							+											
Intestine Large, Cecum							+								+	+							+											
Intestine Large, Colon							+								+	+							+											
Intestine Large, Rectum							+								+	+							+											
Intestine Small, Duodenum							+								+	+							+											
Intestine Small, Ileum							+								+	+							+											
Intestine Small, Jejunum							+								+	+							+											
Liver							+								+	+							+											
Carcinoma, Metastatic, Islets, Pancreatic																																		
Hepatocellular Adenoma																																		
Mesentery																																		
Pancreas							+								+	+							+											
Salivary Glands							+								+	+							+											
Stomach, Forestomach							+								+	+							+											
Stomach, Glandular							+								+	+							+											
Tooth							+								+	+							+											

Cardiovascular System

Heart							+								+	+							+										
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Endocrine 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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:36
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 10.0 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	7	7	7	7	7	4	7	7	7	7	7	7	4	7	4	7	7	6	7	6	7	4	6	7	7	7	7	7	7	
	2	2	2	2	2	6	2	2	2	2	2	3	3	6	3	6	3	3	5	3	5	3	6	5	3	3	3	3	3	
	9	9	9	9	9	3	9	9	9	9	9	0	0	3	0	3	0	0	5	0	9	0	3	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	
	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	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	
Adrenal Gland							+																							
Adrenal Gland, Cortex							+								+	+														
Adrenal Gland, Medulla							+								+	+														
Islets, Pancreatic							+								+	+														
Carcinoma																														
Parathyroid Gland							+								+	+														
Pituitary Gland							+								+	+														
Thyroid Gland							+								+	+														
Follicular Cel, Adenoma																														
General Body System																														
NONE																														
Genital System																														
Epididymis							+								+	+														
Penis																														
Preputial Gland							+								+	+														
Prostate							+								+	+														
Seminal Vesicle							+								+	+														
Testes							+								+	+														
Hematopoietic System																														
Bone Marrow							+								+	+														
Lymph Node, Mandibular							+								+	+														

* ..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: 05069-09

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: 01:17:36

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Male 10.0 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	
	ANIMAL ID	7	7	7	7	7	4	7	7	7	7	7	7	4	7	4	7	7	6	7	6	7	4	6	7	7	7	7
		2	2	2	2	2	6	2	2	2	2	2	3	3	6	3	6	3	3	5	3	5	3	6	5	3	3	3
		9	9	9	9	9	3	9	9	9	9	9	0	0	3	0	3	0	0	5	0	9	0	3	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
		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	
		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
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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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: 01:17:36

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male

10.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	14
Gallbladder	11
Intestine Large, Cecum	13
Intestine Large, Colon	13
Intestine Large, Rectum	13
Intestine Small, Duodenum	13
Intestine Small, Ileum	12
Intestine Small, Jejunum	12
Liver	14
Carcinoma, Metastatic, Islets, Pancreatic	1
Hepatocellular Adenoma	4
Mesentery	1
Pancreas	13
Salivary Glands	14
Stomach, Forestomach	13
Stomach, Glandular	13
Tooth	2

Cardiovascular System

Heart	14
-------	----

Endocrine System

Adrenal 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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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: 01:17:36

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male

10.0 MG/KG

ANIMAL ID	*TOTALS
Adrenal Gland, Cortex	14
Adrenal Gland, Medulla	14
Islets, Pancreatic	13
Carcinoma	1
Parathyroid Gland	13
Pituitary Gland	14
Thyroid Gland	14
Follicular Cel, Adenoma	1
General Body System	
NONE	
Genital System	
Epididymis	14
Penis	1
Preputial Gland	14
Prostate	14
Seminal Vesicle	14
Testes	14
Hematopoietic System	
Bone Marrow	14
Lymph Node, Mandibular	14
Lymph Node, Mesenteric	13
Spleen	14

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:36
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
10.0 MG/KG

ANIMAL ID	*TOTALS
Thymus	14
Integumentary System	
Mammary Gland	1
Skin	14
Musculoskeletal System	
Bone	14
Nervous System	
Brain	13
Respiratory System	
Lung	14
Nose	14
Trachea	14
Special Senses System	
Harderian Gland	1
Adenoma	1
Urinary System	
Kidney	14
Urinary Bladder	14
SYSTEMIC LESIONS	
Multiple Organ	14

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:36
First Dose M/F: NA / NA
Lab: TSI MASON

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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:37
 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	0	
B6C3F1 Mouse Female	7	7	7	4	7	7	4	7	7	4	7	1	7	4	7	7	7	7	4	5	4	7	7	7	7	4	7	4	7	7	
0 MG/KG	3	3	3	6	3	2	6	3	3	6	3	9	3	6	3	3	3	3	6	9	6	3	3	0	3	3	6	3	6	3	
	6	6	6	2	6	2	2	6	6	2	5	1	6	2	6	6	6	6	2	5	2	6	6	6	6	2	6	2	6	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	
	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	1	1	1	1	1	1	1	1	1	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
Stomach, Glandular				+			+				+	A		+						+	+	+					+		+		
Cardiovascular System																															
Heart				+			+				+	+		+							+	+	+					+		+	
Adenocarcinoma, Metastatic, Uncertain Primary Site																															
Endocrine System																															
Adrenal Gland				+			+				+	+		+							+	+	+					+		+	
Adrenal Gland, Cortex				+			+				+	+		+							+	+	+					+		+	
Adrenal Gland, Medulla				+			+				+	+		+							+	+	+					+		+	
Islets, Pancreatic				+			+				+	A		+							+	+	+					+		+	
Adenoma																															
Parathyroid Gland				+			+				+	M		+							+	+	M					M		+	
Pituitary Gland				+			M				+	M		+							+	+	+					+		+	
Thyroid Gland				+			+				+	+		+							+	+	+					+		+	
General Body System																															
NONE																															
Genital System																															
Clitoral Gland				+			+				+	+		+							M	+	+					+		+	
Ovary				+			+				+	A		+							+	+	+					+		+	
Cystadenoma																															
Uterus				+			+				+	+		+							+	+	+					+		+	

* ..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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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: 01:17:37

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	
B6C3F1 Mouse Female	0 MG/KG	7	7	7	4	7	7	4	7	7	4	7	1	7	4	7	7	7	4	5	4	7	7	7	7	4	7	4	7	4	7	
		3	3	3	6	3	2	6	3	3	6	3	9	3	6	3	3	3	3	6	9	6	3	3	0	3	3	6	3	6	3	
		6	6	6	2	6	2	2	6	6	2	5	1	6	2	6	6	6	6	2	5	2	6	6	6	6	6	2	6	2	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Hematopoietic System

Bone Marrow				+				+						+											+										+							
Lymph Node																																										
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland																																										
Lymph Node, Mandibular				+				+				+														+													+			+
Lymph Node, Mesenteric				+				+					A		+										+														+			+
Spleen				+				+				+			+										+														+			+
Hemangiosarcoma																																										
Thymus					+				+					+													+												+			+

Integumentary System

Mammary Gland				+				+				+															+												+			+	
Adenocarcinoma																																											
Skin				+				+				+			+											+														+			+
Subcut Tiss, Hemangiosarcoma																																											

Musculoskeletal System

Bone				+				+				+																+											+			+
Skeletal Muscle																																										
Adenocarcinoma, Metastatic, Mammary Gland																																										

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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:37
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Female 0 MG/KG	DAY ON TEST																												
	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	
ANIMAL ID	0 0 1 9 6	0 0 1 9 7	0 0 1 9 8	0 0 1 9 9	0 0 2 0 0	0 0 2 0 1	0 0 2 0 2	0 0 2 0 3	0 0 2 0 4	0 0 2 0 5	0 0 2 0 6	0 0 2 0 7	0 0 2 0 8	0 0 2 0 9	0 0 2 0 0	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	0 0 2 0 1	
Brain				+			+			+			+								+			+					
Respiratory System																													
Lung				+			+			+			+								+			+				+	
Adenocarcinoma, Metastatic, Mammary Gland																													
Nose				+			+			+			+								+			+				+	
Trachea				+			+			+			+								+			+				+	
Special Senses System																													
NONE																													
Urinary System																													
Kidney				+			+			+			+								+			+				+	
Adenocarcinoma, Metastatic, Mammary Gland																													
Urinary Bladder				+			+			+			A								+			+				+	
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: 05069-09

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: 01:17:37

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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	
B6C3F1 Mouse Female		7	7	6	7	7	7	7	4	7	5	7	7	7	4	5	6	7	7	7	6	7	5	7	7	0	0	7	7	7
0 MG/KG		3	3	0	3	3	3	3	6	3	2	3	3	3	6	6	1	3	3	3	8	3	4	3	3	9	7	3	3	3
		6	6	5	6	6	6	6	2	6	9	6	6	6	2	8	2	6	6	2	6	3	6	6	4	8	6	6	6	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
		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

Alimentary System

Esophagus																																
Gallbladder																																
Intestine Large, Cecum																																
Intestine Large, Colon																																
Intestine Large, Rectum																																
Intestine Small, Duodenum																																
Intestine Small, Ileum																																
Intestine Small, Jejunum																																
Liver																																
Adenocarcinoma, Metastatic, Mammary Gland																																
Hepatocellular Adenoma																																
Hepatocellular Adenoma, Multiple																																
Hepatocellular Carcinoma																																
Mesentery																																
Pancreas																																
Adenocarcinoma, Metastatic, Mammary Gland																																
Salivary Glands																																
Adenocarcinoma, Metastatic, Mammary Gland																																
Stomach, Forestomach																																

* ..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: 05069-09

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: 01:17:37

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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		
B6C3F1 Mouse Female	7	7	6	7	7	7	7	4	7	5	7	7	7	4	5	6	7	7	7	6	7	5	7	7	0	0	7	7	7				
0 MG/KG	3	3	0	3	3	3	3	6	3	2	3	3	3	6	6	1	3	3	3	8	3	4	3	3	9	7	3	3	3				
	6	6	5	6	6	6	6	2	6	9	6	6	6	2	8	2	6	6	6	2	6	3	6	6	4	8	6	6	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			
	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	5			
Stomach, Glandular			+					+		+				+	+	+					+			+		+							
Cardiovascular System																																	
Heart			+					+		+				+	+	+					+			+		+							
Adenocarcinoma, Metastatic, Uncertain Primary Site																	X																
Endocrine System																																	
Adrenal Gland			+					+		+				+	+	+					+			+		+							
Adrenal Gland, Cortex			+					+		+				+	+	+					+			+		+							
Adrenal Gland, Medulla			+					+		+				+	+	+					+			+		+							
Islets, Pancreatic			+					+		+				+	+	+					+			+		+							
Adenoma											X																						
Parathyroid Gland			+					M		+				+	+	+					+			M		M							
Pituitary Gland			+					+		+				+	+	+					+			+		+							
Thyroid Gland			+					+		+				+	+	+					+			+		+							
General Body System																																	
NONE																																	
Genital System																																	
Clitoral Gland			+					+		+				+	+	+					+			+		+							
Ovary			+					+		+				+	+	+					+			+		+							
Cystadenoma																	X																
Uterus			+					+		+				+	+	+					+			+		+							

* ..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: 05069-09

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: 01:17:37

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

	DAY ON TEST																												
B6C3F1 Mouse 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	0
	7	7	6	7	7	7	7	4	7	5	7	7	7	4	5	6	7	7	7	6	7	5	7	7	0	0	7	7	7
	3	3	0	3	3	3	3	6	3	2	3	3	3	6	6	1	3	3	3	8	3	4	3	3	9	7	3	3	3
0 MG/KG	6	6	5	6	6	6	6	2	6	9	6	6	6	2	8	2	6	6	6	2	6	3	6	6	4	8	6	6	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
	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	

Hematopoietic System

Bone Marrow																																
Lymph Node																																
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland																																
Lymph Node, Mandibular																																
Lymph Node, Mesenteric																																
Spleen																																
Hemangiosarcoma																																
Thymus																																

Integumentary System

Mammary Gland																																
Adenocarcinoma																																
Skin																																
Subcut Tiss, Hemangiosarcoma																																

Musculoskeletal System

Bone																																
Skeletal Muscle																																
Adenocarcinoma, Metastatic, Mammary Gland																																

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: 05069-09

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: 01:17:38

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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
B6C3F1 Mouse Female	7	7	6	7	7	7	7	4	7	5	7	7	7	4	5	6	7	7	7	6	7	5	7	7	0	0	7	7	7
0 MG/KG	3	3	0	3	3	3	3	6	3	2	3	3	3	6	6	1	3	3	3	8	3	4	3	3	9	7	3	3	3
	6	6	5	6	6	6	6	2	6	9	6	6	6	2	8	2	6	6	6	2	6	3	6	6	4	8	6	6	6
Brain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Respiratory 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
Lung	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
Adenocarcinoma, Metastatic, Mammary Gland	2	2	2	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	5
Nose	7	8	9	0	1	2	3	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4
Trachea																													
Special Senses System																													
NONE																													
Urinary System																													
Kidney																													
Adenocarcinoma, Metastatic, Mammary Gland																													
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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:38
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	18
Gallbladder	16
Intestine Large, Cecum	18
Intestine Large, Colon	17
Intestine Large, Rectum	19
Intestine Small, Duodenum	17
Intestine Small, Ileum	16
Intestine Small, Jejunum	17
Liver	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Hepatocellular Adenoma	1
Hepatocellular Adenoma, Multiple	2
Hepatocellular Carcinoma	1
Mesentery	3
Pancreas	18
Adenocarcinoma, Metastatic, Mammary Gland	1
Salivary Glands	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Stomach, Forestomach	19
Stomach, Glandular	18

* ..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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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: 01:17:38

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

**B6C3F1 Mouse Female
0 MG/KG**

ANIMAL ID

*TOTALS

Cardiovascular System

Heart	19
Adenocarcinoma, Metastatic, Uncertain Primary Site	1

Endocrine System

Adrenal Gland	19
Adrenal Gland, Cortex	19
Adrenal Gland, Medulla	19
Islets, Pancreatic	18
Adenoma	1
Parathyroid Gland	13
Pituitary Gland	17
Thyroid Gland	19

General Body System

NONE

Genital System

Clitoral Gland	18
Ovary	18
Cystadenoma	1
Uterus	19

Hematopoietic 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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:38
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID	*TOTALS
Bone Marrow	19
Lymph Node	1
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland	1
Lymph Node, Mandibular	19
Lymph Node, Mesenteric	18
Spleen	19
Hemangiosarcoma	1
Thymus	19
Integumentary System	
Mammary Gland	19
Adenocarcinoma	1
Skin	19
Subcut Tiss, Hemangiosarcoma	1
Musculoskeletal System	
Bone	19
Skeletal Muscle	1
Adenocarcinoma, Metastatic, Mammary Gland	1
Nervous System	
Brain	19
Respiratory 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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:38
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID	*TOTALS
Lung	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Nose	19
Trachea	19
Special Senses System	
NONE	
Urinary System	
Kidney	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Urinary Bladder	18
SYSTEMIC LESIONS	
Multiple Organ	19

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:38
 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			
B6C3F1 Mouse Female		7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	6	7	7	7	6	4	4	6	7	7	7	4	4	7
	6.0 MG/K	3	3	3	3	3	3	3	3	3	3	3	5	3	3	3	3	3	6	3	3	3	1	6	6	5	3	3	3	6	3	
		6	6	6	6	6	6	6	6	6	6	6	4	6	6	6	6	6	1	6	5	5	2	2	2	0	5	5	5	2	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	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

Sarcoma Stromal, Metastatic, Uterus

X

Endocrine System

Adrenal Gland

+ + + + +

Capsule, Sarcoma Stromal, Metastatic, Uterus

X

Adrenal Gland, Cortex

+ + + + +

Adrenal Gland, Medulla

+ + + + +

Islets, Pancreatic

+ + + + +

Parathyroid Gland

+ + + M +

Pituitary Gland

+ M + + +

Pars Distalis, Adenoma

X

Thyroid Gland

+ + + + +

General Body System

NONE

Genital System

Clitoral Gland

+ + + + +

Ovary

+ + + + +

Cystadenoma

Sarcoma Stromal, Metastatic, Uterus

X

Uterus

+ + + + +

Sarcoma Stromal

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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:39
 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
B6C3F1 Mouse Female	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6.0 MG/K	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
	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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
	5	5	5	5	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	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
Brain																													
Respiratory System																													
Lung																													
Alveolar/Bronchiolar Adenoma																													
Hepatocellular Carcinoma, Metastatic, Liver																													
Sarcoma Stromal, Metastatic, Uterus																													
Nose																													
Trachea																													
Special Senses System																													
NONE																													
Urinary System																													
Kidney																													
Sarcoma Stromal, Metastatic, Uterus																													
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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:39
 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
7	6	4	7	4	7	6	7	7	7	6	4	7	5	4	7	7	4	7	7	7	4	7	7	6	7	7	7	7	7	7	7	7
3	7	6	3	6	3	2	3	3	3	0	6	3	8	6	3	3	6	3	3	3	6	3	3	4	2	3	3	3	3	3	3	
5	7	2	5	2	5	3	5	5	5	3	2	5	7	2	5	5	2	5	5	5	5	5	3	8	5	5	5	5	5	5	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	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	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	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	6	7		

Alimentary System

Esophagus		+	+							+	+		+	+						+												
Gallbladder		+	+							+	+		+	+						+												
Intestine Large, Cecum		+	+							+	+		+	+						+												
Sarcoma Stromal, Metastatic, Uterus																																
Intestine Large, Colon		+	+							+	+		+	+						+												
Intestine Large, Rectum		+	+							+	+		+	+					M													
Intestine Small, Duodenum		+	+							+	+		+	+						+												
Intestine Small, Ileum		+	+							+	+		+	+						+												
Intestine Small, Jejunum		+	+							+	+		+	+						+												
Liver		+	+							+	+		+	+						+												
Hepatocellular Adenoma																																
Hepatocellular Carcinoma																																
Sarcoma Stromal, Metastatic, Uterus																																
Mesentery													+																			
Pancreas		+	+							+	+		+	+						+												
Sarcoma Stromal, Metastatic, Uterus																																
Salivary Glands		+	+							+	+		+	+						+												
Stomach, Forestomach		+	+							+	+		+	+						+												
Stomach, Glandular		+	+							+	+		+	+						+												

Cardiovascular System

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

* ..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: 05069-09

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: 01:17:39

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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				
B6C3F1 Mouse Female 6.0 MG/K	7	6	4	7	4	7	6	7	7	7	6	4	7	5	4	7	7	4	7	7	7	4	7	7	6	7	7	7	7	
	3	7	6	3	6	3	2	3	3	3	0	6	3	8	6	3	3	6	3	3	3	6	3	3	4	2	3	3	3	
	5	7	2	5	2	5	3	5	5	5	3	2	5	7	2	5	5	2	5	5	5	2	5	5	3	8	5	5	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	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	9	0	0	0	0	0	0	0	0	0	0	0	0	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	

Sarcoma Stromal, Metastatic, Uterus

Endocrine System

Adrenal Gland

+ +

+ + + +

+ +

Capsule, Sarcoma Stromal, Metastatic, Uterus

Adrenal Gland, Cortex

+ +

+ +

+ +

+ +

Adrenal Gland, Medulla

+ +

+ +

+ +

+ +

Islets, Pancreatic

+ +

+ +

+ +

+ +

Parathyroid Gland

+ +

+ +

M

+ +

Pituitary Gland

+ +

+ +

+ +

+ +

Pars Distalis, Adenoma

X

Thyroid Gland

+ +

+ +

+ +

+ +

General Body System

NONE

Genital System

Clitoral Gland

+ +

+ +

+ +

+ +

Ovary

+ +

+ +

+ +

+ +

Cystadenoma

X

Sarcoma Stromal, Metastatic, Uterus

Uterus

+ +

+ +

+ +

+ +

Sarcoma Stromal

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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:39
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST																																							
	B6C3F1 Mouse 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	0	0	0	0	0	0	0	0		
6.0 MG/K	7	6	4	7	4	7	6	7	7	6	4	7	5	4	7	7	4	7	7	7	4	7	7	6	7	7	7	7	6	7	7	7	7	7	7	7			
	3	7	6	3	6	3	2	3	3	3	0	6	3	8	6	3	3	6	3	3	3	6	3	3	4	2	3	3	3	3	3	3	3	3	3	3			
	5	7	2	5	2	5	3	5	5	5	3	2	5	7	2	5	5	2	5	5	5	5	2	5	5	5	5	5	5	5	5	5	5	5	5	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	0	0	0	0	0	0	0	0	0	0	0	0			
	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	3	3	3	3	3	3	3	3			
	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	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	6	7	8	9	0	1	2	3	4	5

Hematopoietic System

Bone Marrow																																							
Sarcoma Stromal, Metastatic, Uterus																																							
Lymph Node																																							
Iliac, Sarcoma Stromal, Metastatic, Uterus																																							
Mediastinal, Sarcoma Stromal, Metastatic, Uterus																																							
Renal, Sarcoma Stromal, Metastatic, Uterus																																							
Lymph Node, Mandibular																																							
Sarcoma Stromal, Metastatic, Uterus																																							
Lymph Node, Mesenteric																																							
Sarcoma Stromal, Metastatic, Uterus																																							
Spleen																																							
Sarcoma Stromal, Metastatic, Uterus																																							
Thymus																																							
Sarcoma Stromal, Metastatic, Uterus																																							

Integumentary System

Mammary Gland																																							
Skin																																							

Musculoskeletal System

Bone																																							
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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: 05069-09

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: 01:17:39

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Female 6.0 MG/K	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	6	4	7	4	7	6	7	7	6	4	7	5	4	7	7	4	7	7	7	4	7	7	6	7	7	7	7	7
	3	7	6	3	6	3	2	3	3	3	0	6	3	8	6	3	3	6	3	3	3	6	3	3	4	2	3	3	3
	5	7	2	5	2	5	3	5	5	5	3	2	5	7	2	5	5	2	5	5	5	2	5	5	3	8	5	5	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
	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	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
Brain			+		+						+	+		+	+			+				+							
Respiratory System																													
Lung			+		+						+	+		+	+			+											
Alveolar/Bronchiolar Adenoma																													
Hepatocellular Carcinoma, Metastatic, Liver																													
Sarcoma Stromal, Metastatic, Uterus																													
Nose			+		+						+	+		+	+			+											
Trachea			+		+						+	+		+	+			+											
Special Senses System																													
NONE																													
Urinary System																													
Kidney			+		+						+	+		+	+			+											
Sarcoma Stromal, Metastatic, Uterus																													
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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:40
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	13
Gallbladder	13
Intestine Large, Cecum	13
Sarcoma Stromal, Metastatic, Uterus	1
Intestine Large, Colon	13
Intestine Large, Rectum	12
Intestine Small, Duodenum	13
Intestine Small, Ileum	12
Intestine Small, Jejunum	13
Liver	13
Hepatocellular Adenoma	1
Hepatocellular Carcinoma	1
Sarcoma Stromal, Metastatic, Uterus	1
Mesentery	1
Pancreas	13
Sarcoma Stromal, Metastatic, Uterus	1
Salivary Glands	13
Stomach, Forestomach	13
Stomach, Glandular	13

Cardiovascular System

Heart	13
Sarcoma Stromal, Metastatic, Uterus	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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:40
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID

*TOTALS

Endocrine System

Adrenal Gland	13
Capsule, Sarcoma Stromal, Metastatic, Uterus	1
Adrenal Gland, Cortex	13
Adrenal Gland, Medulla	13
Islets, Pancreatic	13
Parathyroid Gland	11
Pituitary Gland	12
Pars Distalis, Adenoma	2
Thyroid Gland	13

General Body System

NONE

Genital System

Clitoral Gland	13
Ovary	13
Cystadenoma	1
Sarcoma Stromal, Metastatic, Uterus	1
Uterus	13
Sarcoma Stromal	2

Hematopoietic System

Bone Marrow	13
-------------	----

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:40
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID	*TOTALS
Sarcoma Stromal, Metastatic, Uterus	1
Lymph Node	1
Iliac, Sarcoma Stromal, Metastatic, Uterus	1
Mediastinal, Sarcoma Stromal, Metastatic, Uterus	1
Renal, Sarcoma Stromal, Metastatic, Uterus	1
Lymph Node, Mandibular	13
Sarcoma Stromal, Metastatic, Uterus	1
Lymph Node, Mesenteric	13
Sarcoma Stromal, Metastatic, Uterus	1
Spleen	13
Sarcoma Stromal, Metastatic, Uterus	1
Thymus	12
Integumentary System	
Mammary Gland	13
Skin	13
Musculoskeletal System	
Bone	13
Nervous System	
Brain	13
Respiratory System	
Lung	13

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:40
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID	*TOTALS
Alveolar/Bronchiolar Adenoma	1
Hepatocellular Carcinoma, Metastatic, Liver	1
Sarcoma Stromal, Metastatic, Uterus	1
Nose	13
Trachea	13
Special Senses System	
NONE	
Urinary System	
Kidney	13
Sarcoma Stromal, Metastatic, Uterus	1
Urinary Bladder	13
SYSTEMIC LESIONS	
Multiple Organ	13

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:40
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Female 10.0 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		
	4	7	7	7	7	4	7	7	7	7	6	4	7	7	7	7	4	3	5	7	6	7	7	4	7	7	4	6	6	4	
	6	3	3	3	3	6	3	3	3	3	1	9	3	3	3	3	6	9	7	3	2	3	2	7	3	3	3	6	7	6	
	2	5	5	5	5	2	0	5	5	5	1	2	5	5	5	2	3	6	5	3	5	7	7	5	5	5	2	2	8	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	
	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	3	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	+					+				+	+					+	+	+				+				+				+					
Gallbladder	+					+				+	+					+	A	+				+				+				+					
Intestine Large, Cecum	+					+				+	+					+	A	+				+				+				+					
Intestine Large, Colon	+					+				+	+					+	A	+				+				+				+					
Intestine Large, Rectum	+					+				+	+					+	+	+				+				+				+					
Intestine Small, Duodenum	+					+				+	+					+	A	+				A				+				+					
Intestine Small, Ileum	+					+				+	+					+	A	+				+				+				+					
Intestine Small, Jejunum	+					+				+	+					+	A	+				+				+				+					
Liver	+					+				+	+					+	+	+				+				+				+					
Hemangiosarcoma																																			
Hepatocellular Adenoma	X																																		X
Hepatocellular Adenoma, Multiple															X																				
Mesentery																+																			
Pancreas	+					+				+	+					+	A	+				+				+				+				+	
Salivary Glands	+					+				+	+					+	+	+				+				+				+				+	
Stomach, Forestomach	+					+				+	+					+	+	+				+				+				+				+	
Stomach, Glandular	+					+				+	+					+	+	+				+				+				+				+	
Tooth																																			+

Cardiovascular System

Heart	+					+				+	+					+	+	+				+				+				+			+
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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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:40
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse Female 10.0 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	
		4	7	7	7	7	4	7	7	7	7	6	4	7	7	7	4	3	5	7	6	7	7	4	7	7	4	6	6	4	
		6	3	3	3	3	6	3	3	3	3	1	9	3	3	3	6	9	7	3	2	3	2	7	3	3	3	6	7	8	6
ANIMAL ID	2	5	5	5	5	2	0	5	5	5	1	2	5	5	5	2	3	6	5	3	5	7	7	5	5	5	2	2	8	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	
	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

Endocrine System

Adrenal Gland	+		+		+	+		+	+	+				+	+	+				+				+				+			
Adrenal Gland, Cortex	+				+					+	+				+	+	+				+				+				+		
Adrenal Gland, Medulla	+				+					+	+				+	+	+				+				+				+		
Islets, Pancreatic	+				+					+	+				+	A	+				+				+				+		
Parathyroid Gland	+				M					M	+				+	M	M				+					M			+		
Pituitary Gland	+				+					+	+				+	+	+				+				+				+		
Pars Distalis, Adenoma																															
Thyroid Gland	+				+					+	+				+	+	+				+				+				+		

General Body System

NONE

Genital System

Clitoral Gland	+				+					+	+				+	+	+				+				+				+			
Ovary	+				+					+	M				+	+	+				+				+				+			
Cystadenoma																																
Luteoma					X																											
Uterus	+				+					+	+				+	+	+				+				+				+			
Polyp Stromal																																

Hematopoietic System

Bone Marrow	+				+					+	+				+	+	+				+				+				+		
Lymph Node, Mandibular	+				+					+	+				+	+	+				+				+				+		

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:40
 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		
B6C3F1 Mouse Female	4	7	7	7	7	4	7	7	7	7	6	4	7	7	7	4	3	5	7	6	7	7	4	7	7	4	7	7	4		
10.0 MG/KG	6	3	3	3	3	6	3	3	3	3	1	9	3	3	3	3	6	9	7	3	2	3	2	7	3	3	3	6	7	8	6
	2	5	5	5	5	2	0	5	5	5	1	2	5	5	5	2	3	6	5	3	5	7	7	5	5	5	2	2	8	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	
	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	
	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
Lymph Node, Mandibular	+					+					+	+					+	+				+					+			+	
Lymph Node, Mesenteric	+					+					+	+					+	M	+				+				+			+	
Spleen	+					+					+	+					+	M	+				+				+			+	
Thymus	+					+					+	+					+	+	+				+				+			+	
Integumentary System																															
Mammary Gland	+					+					+	+					+	+	+				+				+			+	
Skin	+					+					+	+					+	+	+				+				+			+	
Inguinal, Subcut Tiss, Fibrosarcoma																															
Squamous Cell Carcinoma																															
Musculoskeletal System																															
Bone	+					+					+	+					+	+	+				+				+			+	
Nervous System																															
Brain	+					+					+	+					+	+	+				+				+			+	
Respiratory System																															
Lung	+					+					+	+					+	+	+				+				+			+	
Nose	+					+					+	+					+	+	+				+				+			+	
Trachea	+					+					+	+					+	+	+				+				+			+	
Special Senses System																															
NONE																															

* ..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: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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: 01:17:40
 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			
B6C3F1 Mouse Female 10.0 MG/KG	4	7	7	7	7	4	7	7	7	7	6	4	7	7	7	4	3	5	7	6	7	7	4	7	7	4	7	7	4	6	6	4
	6	3	3	3	3	6	3	3	3	3	1	9	3	3	3	3	6	9	7	3	2	3	2	7	3	3	3	6	7	8	6	
	2	5	5	5	5	2	0	5	5	5	1	2	5	5	5	5	2	3	6	5	3	5	7	7	5	5	5	2	2	8	2	

Urinary System

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

SYSTEMIC LESIONS

Multiple Organ	+				+				+	+							+	+	+								+					+		
Lymphoma Malignant Mixed																																		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: 05069-09

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: 01:17:41

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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
	7	4	7	7	4	7	7	7	4	7	7	4	7	7	7	7	6	7	7	7	7	4	4	6	6	7	0	
B6C3F1 Mouse Female	0	6	3	3	6	3	2	3	6	3	3	6	3	3	3	3	5	3	3	2	3	3	5	6	2	0	3	0
10.0 MG/KG	1	2	5	5	2	5	1	5	2	5	5	2	5	5	5	5	4	5	5	2	5	5	2	6	8	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
	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	7	7	7	7	7

Endocrine System

Adrenal Gland	+	+		+			+																+	+	+			
Adrenal Gland, Cortex	+	+		+			+																	+	+	+		
Adrenal Gland, Medulla	+	+		+			+																	+	+	+		
Islets, Pancreatic	+	+		+			+																	+	+	+		
Parathyroid Gland	+	+		+			+							M										+	+	+		
Pituitary Gland	+	+		+			+							+										+	+	+		
Pars Distalis, Adenoma																											X	
Thyroid Gland	+	+		+			+							+										+	+	+		

General Body System

NONE

Genital System

Clitoral Gland	+	+		+			+																	+	+	+		
Ovary	+	+		+			+							+										+	+	+		
Cystadenoma																									X			
Luteoma																												
Uterus	+	+		+			+							+										+	+	+		
Polyp Stromal																												

Hematopoietic System

Bone Marrow	+	+		+			+																		+	+	+		
Lymph Node, Mandibular	+	+		+			+							+											+	+	+		

* ..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: 05069-09

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: 01:17:41

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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	
B6C3F1 Mouse Female	7	4	7	7	4	7	7	7	4	7	7	4	7	7	7	7	6	7	7	7	7	4	4	6	6	7	0			
10.0 MG/KG	0	6	3	3	6	3	2	3	6	3	3	6	3	3	3	3	5	3	3	2	3	3	5	6	2	0	3	0		
	1	2	5	5	2	5	1	5	2	5	5	2	5	5	5	5	4	5	5	2	5	5	2	6	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	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	7	7	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	
Lymph Node, Mandibular		+			+				+			+												+	+		+			
Lymph Node, Mesenteric		+			+				+			+												+	+		+			
Spleen		+			+				+			+												+	+		+			
Thymus		+			M				+			+												+	+		+			
Integumentary System																														
Mammary Gland		+			+				+			+												+	+		+			
Skin		+			+				+			+												+	+		+			
Inguinal, Subcut Tiss, Fibrosarcoma																								X						
Squamous Cell Carcinoma																														
Musculoskeletal System																														
Bone		+			+				+			+												+	+		+			
Nervous System																														
Brain		+			+				+			+												+	+		+			
Respiratory System																														
Lung		+			+				+			+												+	+		+			
Nose		+			+				+			+												+	+		+			
Trachea		+			+				+			+												+	+		+			
Special Senses System																														
NONE																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
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Experiment Number: 05069-09

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: 01:17:41

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Female 10.0 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
	7	4	7	7	4	7	7	7	4	7	7	4	7	7	7	7	7	6	7	7	7	7	4	4	6	6	7	0		
	0	6	3	3	6	3	2	3	6	3	3	6	3	3	3	3	3	5	3	3	2	3	3	5	6	2	0	3	0	
ANIMAL ID	1	2	5	5	2	5	1	5	2	5	5	2	5	5	5	5	4	5	5	2	5	5	5	2	6	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	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	5	5	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
	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	

Urinary System

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

SYSTEMIC LESIONS

Multiple Organ		+			+				+			+																+	+		+			
Lymphoma Malignant Mixed																																		

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:41
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
10.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	17
Gallbladder	16
Intestine Large, Cecum	16
Intestine Large, Colon	16
Intestine Large, Rectum	17
Intestine Small, Duodenum	15
Intestine Small, Ileum	16
Intestine Small, Jejunum	16
Liver	17
Hemangiosarcoma	1
Hepatocellular Adenoma	4
Hepatocellular Adenoma, Multiple	1
Mesentery	1
Pancreas	16
Salivary Glands	17
Stomach, Forestomach	17
Stomach, Glandular	17
Tooth	2

Cardiovascular System

Heart	17
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Endocrine System

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Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:41
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female

10.0 MG/KG

ANIMAL ID

***TOTALS**

Adrenal Gland	17
Adrenal Gland, Cortex	17
Adrenal Gland, Medulla	17
Islets, Pancreatic	16
Parathyroid Gland	11
Pituitary Gland	17
Pars Distalis, Adenoma	1
Thyroid Gland	17
General Body System	
NONE	
Genital System	
Clitoral Gland	17
Ovary	16
Cystadenoma	1
Luteoma	1
Uterus	17
Polyp Stromal	1
Hematopoietic System	
Bone Marrow	17
Lymph Node, Mandibular	17
Lymph Node, Mesenteric	16
Spleen	16

* ..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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:41
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
10.0 MG/KG

ANIMAL ID	*TOTALS
Thymus	16
Integumentary System	
Mammary Gland	17
Skin	17
Inguinal, Subcut Tiss, Fibrosarcoma	1
Squamous Cell Carcinoma	1
Musculoskeletal System	
Bone	17
Nervous System	
Brain	17
Respiratory System	
Lung	17
Nose	17
Trachea	17
Special Senses System	
NONE	
Urinary System	
Kidney	17
Urinary Bladder	17
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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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: 01:17:41
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
10.0 MG/KG

	ANIMAL ID	*TOTALS
Multiple Organ		17
Lymphoma Malignant Mixed		1

**** END OF REPORT ****

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