

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

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:25

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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Lab: TSI MASON

B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Disposition Summary			
Animals Initially In Study	60	60	60
Scheduled Sacrifice	10	10	10
Early Deaths			
Moribund Sacrifice	7	5	4
Natural Death	4	3	6
Survivors			
Terminal Sacrifice	39	42	40
Animals Examined Microscopically	15	13	14

ALIMENTARY SYSTEM

Esophagus	(15)	(13)	(14)
Gallbladder	(14)	(10)	(11)
Lymphoma Malignant Lymphocytic	1 (7%)		
Intestine Large, Cecum	(14)	(12)	(13)
Intestine Large, Colon	(15)	(12)	(13)
Intestine Large, Rectum	(15)	(12)	(13)
Intestine Small, Duodenum	(13)	(12)	(13)
Lymphoma Malignant Lymphocytic	1 (8%)		
Intestine Small, Ileum	(14)	(12)	(12)
Intestine Small, Jejunum	(14)	(12)	(12)
Liver	(15)	(13)	(14)
Carcinoma, Metastatic, Islets, Pancreatic			1 (7%)
Hepatocellular Adenoma	3 (20%)	5 (38%)	4 (29%)
Hepatocellular Carcinoma	3 (20%)	2 (15%)	
Lymphoma Malignant Lymphocytic	1 (7%)		
Schwannoma Malignant, Metastatic, Salivary Glands	1 (7%)		
Mesentery	(1)	(0)	(1)

a - Number of animals examined microscopically at site and number of animals with lesion

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* Number of animals with any tissue examined microscopically

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Hepatocellular Carcinoma, Metastatic, Liver	1 (100%)		
Lymphoma Malignant Lymphocytic	1 (100%)		
Pancreas	(15)	(12)	(13)
Salivary Glands	(15)	(13)	(14)
Schwannoma Malignant	1 (7%)		
Stomach, Forestomach	(15)	(12)	(13)
Stomach, Glandular	(15)	(12)	(13)
Tongue	(0)	(1)	(0)
Squamous Cell Carcinoma		1 (100%)	
Tooth	(0)	(0)	(2)
CARDIOVASCULAR SYSTEM			
Heart	(15)	(13)	(14)
ENDOCRINE SYSTEM			
Adrenal Gland	(14)	(10)	(10)
Adrenal Gland, Cortex	(15)	(13)	(14)
Lymphoma Malignant Lymphocytic	1 (7%)		
Adrenal Gland, Medulla	(15)	(13)	(14)
Islets, Pancreatic	(15)	(12)	(13)
Carcinoma			1 (8%)
Parathyroid Gland	(13)	(10)	(13)
Pituitary Gland	(15)	(13)	(14)
Thyroid Gland	(15)	(13)	(14)
Follicular Cel, Adenoma			1 (7%)
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
Epididymis	(15)	(13)	(14)

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Epididymis	(15)	(13)	(14)
Penis	(0)	(1)	(1)
Preputial Gland	(15)	(13)	(14)
Prostate	(15)	(13)	(14)
Seminal Vesicle	(15)	(13)	(14)
Lymphoma Malignant Lymphocytic	1 (7%)		
Testes	(15)	(13)	(14)
HEMATOPOIETIC SYSTEM			
Bone Marrow	(15)	(13)	(14)
Lymph Node	(1)	(1)	(0)
Mediastinal, Lymphoma Malignant Lymphocytic	1 (100%)		
Lymph Node, Mandibular	(15)	(13)	(14)
Schwannoma Malignant, Metastatic, Salivary Glands	1 (7%)		
Lymph Node, Mesenteric	(15)	(12)	(13)
Lymphoma Malignant Lymphocytic	1 (7%)		
Spleen	(15)	(11)	(14)
Thymus	(14)	(12)	(14)
Mixed Tumor Benign	1 (7%)		
INTEGUMENTARY SYSTEM			
Mammary Gland	(1)	(1)	(1)
Skin	(15)	(13)	(14)
MUSCULOSKELETAL SYSTEM			
Bone	(15)	(13)	(14)
NERVOUS SYSTEM			
Brain	(15)	(12)	(13)

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B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
RESPIRATORY SYSTEM			
Lung	(15)	(13)	(14)
Alveolar/Bronchiolar Adenoma	3 (20%)	1 (8%)	
Alveolar/Bronchiolar Carcinoma		1 (8%)	
Lymphoma Malignant Lymphocytic	1 (7%)		
Nose	(15)	(13)	(14)
Trachea	(15)	(13)	(14)
SPECIAL SENSES SYSTEM			
Harderian Gland	(0)	(0)	(1)
Adenoma			1 (100%)
URINARY SYSTEM			
Kidney	(15)	(13)	(14)
Lymphoma Malignant Lymphocytic	1 (7%)		
Urinary Bladder	(15)	(13)	(14)
SYSTEMIC LESIONS			
Multiple Organ	*(15)	*(13)	*(14)
Lymphoma Malignant Lymphocytic	1 (7%)		

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B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Tumor Summary for MALE			
Total Animals with Primary Neoplasms (b)	9	7	6
Total Primary Neoplasms	12	10	7
Total Animals with Benign Neoplasms	6	6	6
Total Benign Neoplasms	7	6	6
Total Animals with Malignant Neoplasms	4	4	1
Total Malignant Neoplasms	5	4	1
Total Animals with Metastatic Neoplasms	2		1
Total Metastatic Neoplasms	3		1
Total Animals with Malignant Neoplasms Uncertain Primary Site			
Total Animals with Neoplasms Uncertain - Benign or Malignant			
Total Uncertain Neoplasms			

END OF MALE DATA

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Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Disposition Summary			
Animals Initially In Study	60	60	60
Scheduled Sacrifice	10	10	10
Early Deaths			
Accidentally Killed	2		
Moribund Sacrifice	5	5	12
Natural Death	5	4	3
Survivors			
Moribund Sacrifice	1	1	1
Natural Death			1
Terminal Sacrifice	37	40	32
Missing			1
Animals Examined Microscopically	19	13	17

ALIMENTARY SYSTEM

Esophagus	(18)	(13)	(17)
Gallbladder	(16)	(13)	(16)
Lymphoma Malignant Mixed			1 (6%)
Intestine Large, Cecum	(18)	(13)	(16)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Intestine Large, Colon	(17)	(13)	(16)
Intestine Large, Rectum	(19)	(12)	(17)
Intestine Small, Duodenum	(17)	(13)	(15)
Intestine Small, Ileum	(16)	(12)	(16)
Intestine Small, Jejunum	(17)	(13)	(16)
Lymphoma Malignant Mixed			1 (6%)
Liver	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		

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B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Hemangiosarcoma			1 (6%)
Hepatocellular Adenoma	1 (5%)	1 (8%)	4 (24%)
Hepatocellular Adenoma, Multiple	2 (11%)		1 (6%)
Hepatocellular Carcinoma	1 (5%)	1 (8%)	
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Mesentery	(3)	(1)	(1)
Pancreas	(18)	(13)	(16)
Adenocarcinoma, Metastatic, Mammary Gland	1 (6%)		
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Salivary Glands	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Stomach, Forestomach	(19)	(13)	(17)
Stomach, Glandular	(18)	(13)	(17)
Tooth	(0)	(0)	(2)
Lymphoma Malignant Mixed			1 (50%)
CARDIOVASCULAR SYSTEM			
Heart	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Uncertain Primary Site	1 (5%)		
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
ENDOCRINE SYSTEM			
Adrenal Gland	(19)	(13)	(17)
Capsule, Lymphoma Malignant Mixed			1 (6%)

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Capsule, Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Adrenal Gland, Cortex	(19)	(13)	(17)
Adrenal Gland, Medulla	(19)	(13)	(17)
Islets, Pancreatic	(18)	(13)	(16)
Adenoma	1 (6%)		
Parathyroid Gland	(13)	(11)	(11)
Pituitary Gland	(17)	(12)	(17)
Lymphoma Malignant Mixed			1 (6%)
Pars Distalis, Adenoma		2 (17%)	1 (6%)
Thyroid Gland	(19)	(13)	(17)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(18)	(13)	(17)
Ovary	(18)	(13)	(16)
Cystadenoma	1 (6%)	1 (8%)	1 (6%)
Luteoma			1 (6%)
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Uterus	(19)	(13)	(17)
Lymphoma Malignant Mixed			1 (6%)
Polyp Stromal			1 (6%)
Sarcoma Stromal		2 (15%)	

HEMATOPOIETIC SYSTEM

Bone Marrow	(19)	(13)	(17)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	

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B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Lymph Node	(1)	(1)	(0)
Iliac, Sarcoma Stromal, Metastatic, Uterus		1 (100%)	
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland	1 (100%)		
Mediastinal, Sarcoma Stromal, Metastatic, Uterus		1 (100%)	
Renal, Sarcoma Stromal, Metastatic, Uterus		1 (100%)	
Lymph Node, Mandibular	(19)	(13)	(17)
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Lymph Node, Mesenteric	(18)	(13)	(16)
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Spleen	(19)	(13)	(16)
Hemangiosarcoma	1 (5%)		
Lymphoma Malignant Mixed			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Thymus	(19)	(12)	(16)
Lymphoma Malignant Mixed			1 (6%)
<hr/>			
INTEGUMENTARY SYSTEM			
Mammary Gland	(19)	(13)	(17)
Adenocarcinoma	1 (5%)		
Skin	(19)	(13)	(17)
Inguinal, Subcut Tiss, Fibrosarcoma			1 (6%)
Squamous Cell Carcinoma			1 (6%)
Subcut Tiss, Hemangiosarcoma	1 (5%)		
<hr/>			
MUSCULOSKELETAL SYSTEM			
Bone	(19)	(13)	(17)

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B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Skeletal Muscle	(1)	(0)	(0)
Adenocarcinoma, Metastatic, Mammary Gland	1 (100%)		
NERVOUS SYSTEM			
Brain	(19)	(13)	(17)
RESPIRATORY SYSTEM			
Lung	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Alveolar/Bronchiolar Adenoma		1 (8%)	
Hepatocellular Carcinoma, Metastatic, Liver		1 (8%)	
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Nose	(19)	(13)	(17)
Lymphoma Malignant Mixed			1 (6%)
Trachea	(19)	(13)	(17)
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
Kidney	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Urinary Bladder	(18)	(13)	(17)
SYSTEMIC LESIONS			
Multiple Organ	*(19)	*(13)	*(17)
Lymphoma Malignant Mixed			1 (6%)

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Tumor Summary for FEMALE			
Total Animals with Primary Neoplasms (b)	6	5	11
Total Primary Neoplasms	9	8	13
Total Animals with Benign Neoplasms	3	5	9
Total Benign Neoplasms	5	5	9
Total Animals with Malignant Neoplasms	3	2	4
Total Malignant Neoplasms	4	3	4
Total Animals with Metastatic Neoplasms	1	1	
Total Metastatic Neoplasms	8	16	
Total Animals with Malignant Neoplasms Uncertain Primary Site	1		
Total Animals with Neoplasms Uncertain - Benign or Malignant			
Total Uncertain Neoplasms			

**** END OF REPORT ****

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