

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

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS 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:** 01:16:36

**First Dose M/F:** NA / NA

**Lab:** TSI MASON

<b>C Number:</b>	C60902B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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

**ALIMENTARY SYSTEM**

Esophagus	(15)	(13)	(14)
Gallbladder	(14)	(10)	(11)
Intestine Large, Cecum	(14)	(12)	(13)
Intestine Large, Colon	(15)	(12)	(13)
Intestine Large, Rectum	(15)	(12)	(13)
Intestine Small, Duodenum	(13)	(12)	(13)
Inflammation, Chronic			1 (8%)
Intestine Small, Ileum	(14)	(12)	(12)
Intestine Small, Jejunum	(14)	(12)	(12)
Liver	(15)	(13)	(14)
Basophilic Focus	2 (13%)		
Clear Cell Focus	1 (7%)	3 (23%)	4 (29%)
Fatty Change	9 (60%)	7 (54%)	9 (64%)
Hyperplasia			1 (7%)
Inflammation, Chronic			1 (7%)
Necrosis	1 (7%)		1 (7%)
Mesentery	(1)	(0)	(1)
Fat, Necrosis			1 (100%)
Pancreas	(15)	(12)	(13)

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

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<b>B6C3F1 Mouse MALE</b>	<b>0 MG/KG</b>	<b>6.0 MG/K</b>	<b>10.0 MG/KG</b>
Acinus, Atrophy	1 (7%)	1 (8%)	1 (8%)
Salivary Glands	(15)	(13)	(14)
Infiltration Cellular, Lymphocyte	1 (7%)		
Stomach, Forestomach	(15)	(12)	(13)
Hyperplasia, Squamous		2 (17%)	1 (8%)
Stomach, Glandular	(15)	(12)	(13)
Cyst			1 (8%)
Erosion	2 (13%)		
Hyperplasia		1 (8%)	
Inflammation, Acute	1 (7%)		
Inflammation, Subacute		1 (8%)	
Mineralization			1 (8%)
Tongue	(0)	(1)	(0)
Tooth	(0)	(0)	(2)
Abscess			1 (50%)
Dysplasia			1 (50%)
<b>CARDIOVASCULAR SYSTEM</b>			
Heart	(15)	(13)	(14)
Cardiomyopathy	2 (13%)	2 (15%)	5 (36%)
Inflammation, Acute			1 (7%)
Valve, Bacterium			1 (7%)
<b>ENDOCRINE SYSTEM</b>			
Adrenal Gland	(14)	(10)	(10)
Capsule, Hyperplasia	14 (100%)	10 (100%)	10 (100%)
Adrenal Gland, Cortex	(15)	(13)	(14)
Cytoplasmic Alteration	1 (7%)		
Hyperplasia	1 (7%)	2 (15%)	2 (14%)
Adrenal Gland, Medulla	(15)	(13)	(14)
Islets, Pancreatic	(15)	(12)	(13)

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<b>B6C3F1 Mouse MALE</b>	<b>0 MG/KG</b>	<b>6.0 MG/K</b>	<b>10.0 MG/KG</b>
Hyperplasia	15 (100%)	12 (100%)	11 (85%)
Parathyroid Gland	(13)	(10)	(13)
Cyst	1 (8%)		
Pituitary Gland	(15)	(13)	(14)
Pars Distalis, Cyst		1 (8%)	
Pars Distalis, Hyperplasia	1 (7%)		
Thyroid Gland	(15)	(13)	(14)
Follicle, Hypertrophy	4 (27%)	4 (31%)	6 (43%)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Epididymis	(15)	(13)	(14)
Fat, Necrosis	1 (7%)		
Penis	(0)	(1)	(1)
Congestion			1 (100%)
Edema		1 (100%)	
Preputial Gland	(15)	(13)	(14)
Cyst	1 (7%)	2 (15%)	3 (21%)
Dilatation		2 (15%)	1 (7%)
Inflammation, Chronic	4 (27%)	4 (31%)	3 (21%)
Metaplasia, Squamous	1 (7%)		1 (7%)
Prostate	(15)	(13)	(14)
Concretion		2 (15%)	
Seminal Vesicle	(15)	(13)	(14)
Dilatation		1 (8%)	1 (7%)
Testes	(15)	(13)	(14)
Atrophy			1 (7%)
Interstit Cell, Hyperplasia	1 (7%)		

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HEMATOPOIETIC SYSTEM

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B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Bone Marrow	(15)	(13)	(14)
Necrosis			1 (7%)
Lymph Node	(1)	(1)	(0)
Inguinal, Pigmentation	1 (100%)		
Mediastinal, Hyperplasia, Lymphoid		1 (100%)	
Mediastinal, Infiltration Cellular, Plasma Cell		1 (100%)	
Lymph Node, Mandibular	(15)	(13)	(14)
Infiltration Cellular, Histiocyte			1 (7%)
Infiltration Cellular, Plasma Cell		1 (8%)	
Lymph Node, Mesenteric	(15)	(12)	(13)
Hyperplasia, Lymphoid		1 (8%)	
Infiltration Cellular, Histiocyte			1 (8%)
Inflammation, Acute		1 (8%)	
Spleen	(15)	(11)	(14)
Hematopoietic Cell Proliferation	3 (20%)	3 (27%)	1 (7%)
Thymus	(14)	(12)	(14)
Cyst	1 (7%)	3 (25%)	3 (21%)
Ectopic Parathyroid Gland	1 (7%)	3 (25%)	1 (7%)
Hyperplasia, Lymphoid		1 (8%)	
INTEGUMENTARY SYSTEM			
Mammary Gland	(1)	(1)	(1)
Skin	(15)	(13)	(14)
Back, Acanthosis			4 (29%)
Back, Infiltration Cellular, Mast Cell		1 (8%)	
Inguinal, Congestion			1 (7%)
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
Hemorrhage			1 (8%)
Mineralization	9 (60%)	7 (58%)	9 (69%)
RESPIRATORY SYSTEM			
Lung	(15)	(13)	(14)
Alveolus, Infiltration Cellular, Histiocyte		1 (8%)	
Hemorrhage	2 (13%)		
Inflammation, Chronic		2 (15%)	
Metaplasia, Osseous	1 (7%)		
Nose	(15)	(13)	(14)
Glands, Inflammation, Acute	5 (33%)	2 (15%)	3 (21%)
Trachea	(15)	(13)	(14)
SPECIAL SENSES SYSTEM			
Harderian Gland	(0)	(0)	(1)
URINARY SYSTEM			
Kidney	(15)	(13)	(14)
Bacterium			1 (7%)
Cortex, Mineralization	13 (87%)	13 (100%)	11 (79%)
Cyst		1 (8%)	1 (7%)
Hydronephrosis			1 (7%)
Inflammation, Acute			1 (7%)
Mineralization			2 (14%)
Nephropathy	10 (67%)	10 (77%)	10 (71%)
Nephropathy, Acute			1 (7%)
Nephropathy, Chronic	1 (7%)	2 (15%)	2 (14%)
Pelvis, Hemorrhage		1 (8%)	
Renal Tubule, Degeneration, Hyaline	1 (7%)		
Renal Tubule, Hyperplasia	1 (7%)		1 (7%)
Urinary Bladder	(15)	(13)	(14)
Dilatation		1 (8%)	

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<b>B6C3F1 Mouse MALE</b>	<b>0 MG/KG</b>	<b>6.0 MG/K</b>	<b>10.0 MG/KG</b>
Hemorrhage		1 (8%)	

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\*\*\*END OF MALE DATA\*\*\*

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

**ALIMENTARY SYSTEM**

Esophagus	(18)	(13)	(17)
Gallbladder	(16)	(13)	(16)
Intestine Large, Cecum	(18)	(13)	(16)
Intestine Large, Colon	(17)	(13)	(16)
Intestine Large, Rectum	(19)	(12)	(17)
Intestine Small, Duodenum	(17)	(13)	(15)
Intestine Small, Ileum	(16)	(12)	(16)
Inflammation, Acute			1 (6%)
Intestine Small, Jejunum	(17)	(13)	(16)
Perforation			1 (6%)
Liver	(19)	(13)	(17)
Clear Cell Focus			3 (18%)
Eosinophilic Focus			1 (6%)
Fatty Change	1 (5%)	1 (8%)	1 (6%)
Hematopoietic Cell Proliferation	1 (5%)		1 (6%)

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B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Hyperplasia	1 (5%)		1 (6%)
Mixed Cell Focus	1 (5%)	1 (8%)	
Necrosis	1 (5%)		
Mesentery	(3)	(1)	(1)
Fat, Necrosis	3 (100%)	1 (100%)	1 (100%)
Hemorrhage	1 (33%)		
Pancreas	(18)	(13)	(16)
Acinus, Atrophy	3 (17%)	3 (23%)	1 (6%)
Cyst	1 (6%)		1 (6%)
Cytoplasmic Alteration			1 (6%)
Inflammation, Acute	1 (6%)		1 (6%)
Inflammation, Chronic	1 (6%)		1 (6%)
Salivary Glands	(19)	(13)	(17)
Hypoplasia	1 (5%)		
Infiltration Cellular, Lymphocyte	1 (5%)		
Stomach, Forestomach	(19)	(13)	(17)
Inflammation, Chronic			1 (6%)
Stomach, Glandular	(18)	(13)	(17)
Cyst			1 (6%)
Erosion	1 (6%)		
Hemorrhage			1 (6%)
Mineralization	1 (6%)		1 (6%)
Tooth	(0)	(0)	(2)
Abscess			1 (50%)
CARDIOVASCULAR SYSTEM			
Heart	(19)	(13)	(17)
Cardiomyopathy	6 (32%)	4 (31%)	4 (24%)
ENDOCRINE SYSTEM			
Adrenal Gland	(19)	(13)	(17)

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B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Capsule, Hyperplasia	19 (100%)	13 (100%)	17 (100%)
Adrenal Gland, Cortex	(19)	(13)	(17)
Focal Cellular Change	1 (5%)		
Adrenal Gland, Medulla	(19)	(13)	(17)
Hyperplasia	1 (5%)		
Islets, Pancreatic	(18)	(13)	(16)
Hyperplasia	9 (50%)	9 (69%)	12 (75%)
Parathyroid Gland	(13)	(11)	(11)
Pituitary Gland	(17)	(12)	(17)
Pars Distalis, Hyperplasia	4 (24%)	3 (25%)	2 (12%)
Thyroid Gland	(19)	(13)	(17)
Cyst		1 (8%)	
Follicle, Hypertrophy	6 (32%)	6 (46%)	5 (29%)
Follicular Cel, Hyperplasia	1 (5%)	2 (15%)	1 (6%)
Inflammation, Chronic	1 (5%)		

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(18)	(13)	(17)
Dilatation		1 (8%)	
Ovary	(18)	(13)	(16)
Angiectasis	1 (6%)		1 (6%)
Cyst	1 (6%)		5 (31%)
Hematocyst	3 (17%)	2 (15%)	1 (6%)
Hemorrhage	1 (6%)		
Uterus	(19)	(13)	(17)
Hemorrhage	1 (5%)	1 (8%)	
Hyperplasia, Cystic	5 (26%)	2 (15%)	4 (24%)
Hyperplasia, Cystic, Glandular	10 (53%)	10 (77%)	11 (65%)

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B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
<b>HEMATOPOIETIC SYSTEM</b>			
Bone Marrow	(19)	(13)	(17)
Myelofibrosis	8 (42%)	3 (23%)	3 (18%)
Lymph Node	(1)	(1)	(0)
Lymph Node, Mandibular	(19)	(13)	(17)
Lymph Node, Mesenteric	(18)	(13)	(16)
Hyperplasia, Reticulum Cell			1 (6%)
Infiltration Cellular			1 (6%)
Spleen	(19)	(13)	(16)
Hematopoietic Cell Proliferation	4 (21%)	2 (15%)	2 (13%)
Thymus	(19)	(12)	(16)
Cyst	1 (5%)	1 (8%)	1 (6%)
Ectopic Parathyroid Gland	3 (16%)		2 (13%)
<b>INTEGUMENTARY SYSTEM</b>			
Mammary Gland	(19)	(13)	(17)
Skin	(19)	(13)	(17)
Back, Acanthosis			4 (24%)
Back, Inflammation, Chronic			1 (6%)
Back, Ulcer			2 (12%)
Fat, Subcut Tiss, Necrosis			1 (6%)
Inguinal, Inflammation, Chronic		1 (8%)	
Subcut Tiss, Hemorrhage	1 (5%)		
<b>MUSCULOSKELETAL SYSTEM</b>			
Bone	(19)	(13)	(17)
Inflammation, Chronic			1 (6%)
Skeletal Muscle	(1)	(0)	(0)
<b>NERVOUS SYSTEM</b>			
Brain	(19)	(13)	(17)

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<b>B6C3F1 Mouse FEMALE</b>	<b>0 MG/KG</b>	<b>6.0 MG/K</b>	<b>10.0 MG/KG</b>
Demyelination	1 (5%)		
Hemorrhage			1 (6%)
Mineralization	5 (26%)	5 (38%)	3 (18%)
Thrombosis	1 (5%)		
<b>RESPIRATORY SYSTEM</b>			
Lung	(19)	(13)	(17)
Alveolar Epith, Hyperplasia	1 (5%)		
Congestion	1 (5%)		
Hemorrhage	5 (26%)		
Nose	(19)	(13)	(17)
Foreign Body	1 (5%)		
Glands, Inflammation, Acute	5 (26%)	7 (54%)	6 (35%)
Lumen, Inflammation, Acute	1 (5%)		
Trachea	(19)	(13)	(17)
<b>SPECIAL SENSES SYSTEM</b>			
None			
<b>URINARY SYSTEM</b>			
Kidney	(19)	(13)	(17)
Cortex, Mineralization	1 (5%)		
Nephropathy	2 (11%)	5 (38%)	6 (35%)
Nephropathy, Chronic	2 (11%)		2 (12%)
Renal Tubule, Degeneration, Hyaline		1 (8%)	
Renal Tubule, Dilatation		1 (8%)	
Renal Tubule, Necrosis	1 (5%)		
Urinary Bladder	(18)	(13)	(17)
Infiltration Cellular, Lymphocyte	1 (6%)		

**\*\* END OF REPORT \*\***

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