

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

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:28:04
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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F 344/N Rat MALE	0 MG/KG	60 MG/KG	100 MG/KG
Disposition Summary			
Animals Initially In Study	60	60	60
Scheduled Sacrifice	10	10	10
Early Deaths			
Moribund Sacrifice	24	31	30
Natural Death	15	17	17
Survivors			
Terminal Sacrifice	11	2	3
Animals Examined Microscopically	10	10	10
ALIMENTARY SYSTEM			
Esophagus	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)
Liver	(10)	(10)	(10)
Basophilic Focus	2	1	3
Clear Cell Focus		1	
Eosinophilic Focus	1		
Fatty Change, Focal	10 [1.2]	9 [1.6]	10 [1.8]
Hepatodiaphragmatic Nodule	2	1	1
Mixed Cell Focus			1
Necrosis			1 [1.0]
Mesentery	(3)	(0)	(1)
Accessory Spleen	1		1
Fat, Necrosis	2 [2.0]		

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F 344/N Rat MALE	0 MG/KG	60 MG/KG	100 MG/KG
Pancreas	(10)	(10)	(10)
Acinus, Atrophy	4 [1.5]	5 [1.6]	5 [1.2]
Acinus, Hyperplasia			1 [2.0]
Salivary Glands	(10)	(10)	(10)
Duct, Metaplasia, Squamous Inflammation, Acute	3 [1.0]	7 [1.0]	4 [1.0] 1 [2.0]
Stomach, Forestomach	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM			
Heart	(10)	(10)	(10)
Cardiomyopathy	9 [1.9]	9 [1.7]	9 [1.6]
ENDOCRINE SYSTEM			
Adrenal Gland, Cortex	(10)	(10)	(10)
Adrenal Gland, Medulla	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)
Parathyroid Gland	(9)	(8)	(10)
Pituitary Gland	(10)	(10)	(9)
Pars Distalis, Angiectasis	3 [1.7]	1 [2.0]	3 [1.7]
Pars Distalis, Cyst		2	3
Pars Distalis, Hyperplasia	5 [1.8]	4 [2.0]	3 [2.7]
Thyroid Gland	(10)	(10)	(10)
C Cell, Hyperplasia		1 [2.0]	1 [3.0]
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
Epididymis	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(9)

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F 344/N Rat MALE	0 MG/KG	60 MG/KG	100 MG/KG
Prostate	(10)	(10)	(10)
Seminal Vesicle	(10)	(10)	(10)
Testes	(10)	(10)	(10)
Interstit Cell, Hyperplasia	6 [1.8]	5 [1.8]	9 [1.9]
Seminif Tub, Atrophy	1 [3.0]		
HEMATOPOIETIC SYSTEM			
Bone Marrow	(10)	(10)	(10)
Lymph Node, Mandibular	(9)	(10)	(10)
Hyperplasia	1 [2.0]		
Lymph Node, Mesenteric	(10)	(10)	(10)
Spleen	(10)	(10)	(10)
Thymus	(8)	(10)	(9)
INTEGUMENTARY SYSTEM			
Mammary Gland	(8)	(9)	(6)
Skin	(10)	(10)	(10)
Back, Acanthosis		9 [1.1]	8 [1.0]
Cyst Epithelial Inclusion		1	
MUSCULOSKELETAL SYSTEM			
Bone	(10)	(10)	(10)
NERVOUS SYSTEM			
Brain	(10)	(10)	(10)
RESPIRATORY SYSTEM			
Lung	(10)	(10)	(10)
Hemorrhage			2 [1.5]
Nose	(10)	(10)	(10)
Foreign Body		1 [1.0]	
Fungus	1 [2.0]		1 [2.0]

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Lab: TSI MASON

F 344/N Rat MALE	0 MG/KG	60 MG/KG	100 MG/KG
Inflammation, Acute Trachea	1 [1.0] (10)	2 [1.5] (10)	1 [2.0] (10)
SPECIAL SENSES SYSTEM			
Ear	(1)	(0)	(0)
URINARY SYSTEM			
Kidney	(10)	(10)	(10)
Nephropathy	10 [2.2]	10 [2.0]	10 [2.3]
Renal Tubule, Degeneration, Hyaline	9 [1.0]	6 [1.0]	10 [1.2]
Urinary Bladder	(10)	(10)	(10)
Calculus Gross Observation	1	1	1
Calculus Micro Observation Only	1	1	1

END OF MALE DATA

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Lab: TSI MASON

F 344/N Rat FEMALE	0 MG/KG	60 MG/KG	100 MG/KG
Disposition Summary			
Animals Initially In Study	60	60	60
Scheduled Sacrifice	10	10	10
Early Deaths			
Accidentally Killed			1
Moribund Sacrifice	17	13	12
Natural Death	11	10	15
Survivors			
Moribund Sacrifice	1	1	2
Natural Death	1		
Terminal Sacrifice	20	26	20
Animals Examined Microscopically	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)
Liver	(10)	(10)	(10)
Basophilic Focus	10	9	8
Clear Cell Focus		1	2
Eosinophilic Focus		1	1
Hepatodiaphragmatic Nodule			3
Mixed Cell Focus	2		
Mesentery	(0)	(0)	(2)
Fat, Inflammation, Chronic Active			1 [3.0]

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Lab: TSI MASON

F 344/N Rat FEMALE	0 MG/KG	60 MG/KG	100 MG/KG
Fat, Necrosis			1 [2.0]
Pancreas	(10)	(10)	(10)
Acinus, Atrophy	2 [1.5]	6 [1.7]	2 [1.5]
Salivary Glands	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)
Erosion	1 [1.0]		
Hyperplasia	1 [1.0]		
Metaplasia	1 [1.0]		
CARDIOVASCULAR SYSTEM			
Heart	(10)	(10)	(10)
Cardiomyopathy	6 [1.0]	5 [1.4]	8 [1.5]
ENDOCRINE SYSTEM			
Adrenal Gland, Cortex	(10)	(10)	(10)
Adrenal Gland, Medulla	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)
Parathyroid Gland	(10)	(10)	(10)
Pituitary Gland	(10)	(10)	(10)
Pars Distalis, Angiectasis	2 [2.0]	5 [1.6]	5 [1.8]
Pars Distalis, Cyst	8	6	7
Pars Distalis, Hyperplasia	8 [1.6]	6 [2.2]	7 [2.0]
Pars Intermed, Cyst	1		
Thyroid Gland	(10)	(10)	(10)
Follicle, Cyst		1	
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			

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Clitoral Gland	(10)	(10)	(10)
Ovary	(10)	(10)	(10)
Cyst		2	1
Uterus	(10)	(10)	(10)
Dilatation		1 [2.0]	
HEMATOPOIETIC SYSTEM			
Bone Marrow	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(10)	(10)
Spleen	(10)	(10)	(10)
Thymus	(10)	(9)	(10)
INTEGUMENTARY SYSTEM			
Mammary Gland	(10)	(10)	(10)
Skin	(10)	(10)	(10)
Back, Acanthosis		5 [1.0]	6 [1.0]
MUSCULOSKELETAL SYSTEM			
Bone	(10)	(10)	(10)
NERVOUS SYSTEM			
Brain	(10)	(10)	(10)
RESPIRATORY SYSTEM			
Lung	(10)	(10)	(10)
Nose	(10)	(10)	(10)
Trachea	(10)	(10)	(10)
SPECIAL SENSES SYSTEM			
Eye	(0)	(0)	(1)
Lens, Cataract			1 [2.0]

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F 344/N Rat FEMALE	0 MG/KG	60 MG/KG	100 MG/KG
<hr/>			
URINARY SYSTEM			
Kidney	(10)	(10)	(10)
Cortex, Mineralization	10 [1.1]	10 [1.3]	10 [1.2]
Cyst			1
Nephropathy	10 [1.0]	8 [1.3]	10 [1.2]
Urinary Bladder	(10)	(10)	(10)

**** END OF REPORT ****

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