

Experiment Number: 95003-04
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

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

Test Compound: Methyl trans-styryl ketone
CAS Number: 1896-62-4

Date Report Requested: 10/18/2014
Time Report Requested: 21:17:26
First Dose M/F: NA / NA
Lab: MBA

C Number:	C95003
Lock Date:	01/08/2003
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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B6C3F1 Mouse MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	9
Natural Death						1
Survivors						
Accidentally Killed			1			
Terminal Sacrifice	10	10	9	10		
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(8)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(10)	(8)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(9)	(0)	(0)	(10)	(10)	(9)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(9)
Tongue	(10)	(0)	(0)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(10)	(10)	(10)
Heart	(10)	(0)	(0)	(10)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion
 b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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B6C3F1 Mouse MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Accessory Adrenal Cortical Nodule						1 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(8)	(9)	(7)
Pituitary Gland	(8)	(0)	(0)	(10)	(7)	(7)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
Ectopic Thymus	1 [1.0]					1 [1.0]
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)	(9)
Prostate	(10)	(0)	(0)	(10)	(10)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(9)
Testes	(10)	(0)	(0)	(10)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(9)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(10)
Spleen	(10)	(0)	(0)	(10)	(10)	(9)
Hematopoietic Cell Proliferation	6 [1.0]			4 [1.0]	9 [1.0]	6 [1.5]
Thymus	(10)	(0)	(0)	(10)	(10)	(9)
Atrophy				4 [1.0]		
INTEGUMENTARY SYSTEM						
Skin	(10)	(10)	(10)	(10)	(10)	(10)

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B6C3F1 Mouse MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Hair Follicle, SOA, Hyperplasia		9 [1.3]	9 [1.7]	10 [2.2]	10 [1.5]	9 [1.3]
SOA Epidermis, Hyperplasia		10 [1.7]	7 [1.4]	9 [2.4]	10 [4.0]	10 [3.6]
SOA, Hyperkeratosis		9 [1.1]	4 [1.0]	8 [1.0]	10 [2.0]	10 [1.7]
SOA, Inflammation, Chronic Active		10 [2.0]	9 [1.6]	9 [1.0]	10 [3.9]	10 [3.7]
SOA, Necrosis					10 [3.7]	6 [4.0]
SOA, Sebaceous Gl, Hypertrophy		5 [1.0]	9 [2.0]	10 [2.8]	10 [1.6]	8 [1.1]
SOA, Ulcer		1			1	3
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(1)
Necrosis, Focal						1 [4.0]
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Hemorrhage, Focal						1 [3.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Atrophy				3 [1.0]	8 [1.0]	10 [1.5]
Trachea	(8)	(0)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(9)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(9)

END OF MALE DATA

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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B6C3F1 Mouse FEMALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	9
Natural Death						1
Survivors						
Terminal Sacrifice	10	10	10	10		
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(7)	(0)	(0)	(10)	(10)	(7)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(10)	(9)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(8)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(8)
Tongue	(10)	(0)	(0)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(10)	(10)	(10)
Heart	(10)	(0)	(0)	(10)	(10)	(10)
ENDOCRINE SYSTEM						

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B6C3F1 Mouse FEMALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Subcapsular, Hyperplasia, Focal	10 [1.0]			10 [1.0]	8 [1.0]	7 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(8)	(0)	(0)	(5)	(3)	(4)
Pituitary Gland	(8)	(0)	(0)	(9)	(9)	(8)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(8)
Ectopic Thymus	2 [1.0]					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(10)	(9)	(5)
Ovary	(10)	(0)	(0)	(10)	(10)	(9)
Uterus	(10)	(9)	(10)	(10)	(10)	(9)
Endometrium, Hyperplasia, Cystic	10 [1.2]	9 [1.3]	10 [1.2]	10 [1.0]	7 [1.0]	2 [1.0]
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(9)
Lymph Node, Mandibular	(10)	(0)	(0)	(10)	(9)	(9)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(8)
Spleen	(10)	(0)	(0)	(10)	(10)	(9)
Hematopoietic Cell Proliferation	6 [1.0]			6 [1.3]	6 [1.0]	4 [1.0]
Thymus	(10)	(0)	(0)	(10)	(10)	(9)
Atrophy				2 [1.0]		
Atrophy, Focal				1 [2.0]		
INTEGUMENTARY SYSTEM						
Mammary Gland	(9)	(0)	(0)	(10)	(10)	(10)
Skin	(10)	(10)	(10)	(10)	(10)	(10)

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Hair Follicle, SOA, Hyperplasia		3 [1.0]	4 [1.3]	10 [2.7]	10 [1.8]	8 [2.9]
SOA Epidermis, Hyperplasia		7 [1.0]	4 [1.5]	10 [2.2]	10 [4.0]	10 [3.5]
SOA, Hyperkeratosis			2 [1.0]	9 [1.2]	10 [2.0]	10 [1.8]
SOA, Inflammation, Chronic Active		10 [2.0]	6 [1.3]	10 [1.0]	10 [3.8]	10 [3.0]
SOA, Necrosis					9 [3.3]	6 [3.5]
SOA, Sebaceous Gl, Hypertrophy		5 [1.0]	8 [1.4]	10 [2.8]	10 [1.6]	9 [2.0]
SOA, Ulcer					1	
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(9)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Alveolus, Inflammation, Chronic Active, Focal				1 [2.0]		1 [1.0]
Bronchiole, Inflammation, Acute, Focal	1 [1.0]					
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Atrophy				4 [1.0]	9 [1.1]	6 [1.7]
Olfactory Epi, Degeneration, Focal						1 [2.0]
Trachea	(10)	(0)	(0)	(10)	(10)	(8)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(9)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular			1 [1.0]			
Urinary Bladder	(9)	(0)	(0)	(10)	(10)	(9)

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B6C3F1 Mouse FEMALE

VEHICLE CONTROL

87.5 MG/KG

175 MG/KG

350 MG/KG

700 MG/KG

1400 MG/KG

**** END OF REPORT ****

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