

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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: 10/22/2014

Time Report Requested: 07:31:50

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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Route: SKIN APPLICATION

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AVERAGE SEVERITY GRADES[b]**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:31:50

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Scheduled Sacrifice						
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(1)	(0)	(0)	(10)
Hepatodiaphragmatic Nodule			1 [2.0]			
Vacuolization Cytoplasmic	3 [1.0]					3 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy						2 [1.0]
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Cyst Epithelial Inclusion	1					
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Tongue	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(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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Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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Test Compound: Methyl trans-styryl ketone

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Date Report Requested: 10/22/2014

Time Report Requested: 07:31:50

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Artery, Inflammation, Chronic Active, Focal	1 [1.0]					
Cardiomyopathy	1 [1.0]					
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(4)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(9)
Pars Distalis, Hyperplasia, Focal	1 [1.0]					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ectopic Thymus, Focal						1 [1.0]
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(1)	(0)	(0)	(0)	(0)	(0)
Mediastinal, Hyperplasia, Lymphoid	1 [2.0]					
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy	2 [1.0]					2 [1.0]

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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
INTEGUMENTARY SYSTEM						
Skin	(10)	(10)	(9)	(10)	(10)	(10)
SOA Epidermis, Hyperplasia		3 [1.0]	6 [1.0]	8 [1.5]	10 [2.2]	10 [2.3]
SOA, Hyperkeratosis	1 [1.0]	6 [1.2]	7 [1.4]	10 [1.7]	10 [1.9]	9 [2.1]
SOA, Inflammation, Chronic Active					3 [1.7]	4 [2.5]
SOA, Necrosis					3 [2.0]	3 [2.3]
SOA, Sebaceous Gl, Hypertrophy		1 [1.0]	3 [1.0]	6 [1.2]	10 [1.8]	7 [1.9]
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Bronchiole, Infiltration Cellular, Lymphocyte, Focal	1 [1.0]					
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Respirat Epith, Hyperplasia, Goblet Cell	2 [1.0]	6 [1.3]	1 [1.0]	6 [1.2]	4 [1.3]	9 [1.7]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte						1 [3.0]
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Nephropathy	5 [1.0]	6 [1.0]	8 [1.0]	8 [1.0]	9 [1.1]	9 [1.4]
Renal Tubule, Casts Granular						3 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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: 10/22/2014

Time Report Requested: 07:31:50

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	22.0	MG/KG	44.0	MG/KG	87.5	MG/KG	175	MG/KG	350	MG/KG
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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)

Experiment Number: 95003-03
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/22/2014
Time Report Requested: 07:31:50
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
Disposition Summary											
Animals Initially In Study	10	10		10		10		10		10	
Scheduled Sacrifice	10	10		10		10		10		10	
Early Deaths											
Survivors											
Terminal Sacrifice											
Animals Examined Microscopically											
ALIMENTARY SYSTEM											
Esophagus	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Large, Cecum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Large, Colon	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Large, Rectum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Small, Duodenum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Small, Ileum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Small, Jejunum	(0)	(0)		(0)		(0)		(0)		(0)	
Liver	(0)	(0)		(0)		(0)		(0)		(0)	
Hepatodiaphragmatic Nodule											
Vacuolization Cytoplasmic											
Pancreas	(0)	(0)		(0)		(0)		(0)		(0)	
Atrophy											
Salivary Glands	(0)	(0)		(0)		(0)		(0)		(0)	
Stomach, Forestomach	(0)	(0)		(0)		(0)		(0)		(0)	
Cyst Epithelial Inclusion											
Stomach, Glandular	(0)	(0)		(0)		(0)		(0)		(0)	
Tongue	(0)	(0)		(0)		(0)		(0)		(0)	
CARDIOVASCULAR SYSTEM											
Blood Vessel	(0)	(0)		(0)		(0)		(0)		(0)	
Heart	(0)	(0)		(0)		(0)		(0)		(0)	

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)

Experiment Number: 95003-03

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Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**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: 10/22/2014

Time Report Requested: 07:31:50

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
Artery, Inflammation, Chronic Active, Focal Cardiomyopathy											
ENDOCRINE SYSTEM											
Adrenal Cortex	(0)	(0)		(0)		(0)		(0)		(0)	
Adrenal Medulla	(0)	(0)		(0)		(0)		(0)		(0)	
Islets, Pancreatic	(0)	(0)		(0)		(0)		(0)		(0)	
Parathyroid Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Pituitary Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Pars Distalis, Hyperplasia, Focal											
Thyroid Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Ectopic Thymus, Focal											
GENERAL BODY SYSTEM											
None											
GENITAL SYSTEM											
Epididymis	(0)	(0)		(0)		(0)		(0)		(0)	
Preputial Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Prostate	(0)	(0)		(0)		(0)		(0)		(0)	
Seminal Vesicle	(0)	(0)		(0)		(0)		(0)		(0)	
Testes	(0)	(0)		(0)		(0)		(0)		(0)	
HEMATOPOIETIC SYSTEM											
Bone Marrow	(0)	(0)		(0)		(0)		(0)		(0)	
Lymph Node	(0)	(0)		(0)		(0)		(0)		(0)	
Mediastinal, Hyperplasia, Lymphoid											
Lymph Node, Mesenteric	(0)	(0)		(0)		(0)		(0)		(0)	
Spleen	(0)	(0)		(0)		(0)		(0)		(0)	
Thymus	(0)	(0)		(0)		(0)		(0)		(0)	
Atrophy											

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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**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: 10/22/2014

Time Report Requested: 07:31:50

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
INTEGUMENTARY SYSTEM											
Skin	(0)	(0)		(0)		(0)		(0)		(0)	
SOA Epidermis, Hyperplasia											
SOA, Hyperkeratosis											
SOA, Inflammation, Chronic Active											
SOA, Necrosis											
SOA, Sebaceous Gl, Hypertrophy											
MUSCULOSKELETAL SYSTEM											
Bone	(0)	(0)		(0)		(0)		(0)		(0)	
NERVOUS SYSTEM											
Brain	(0)	(0)		(0)		(0)		(0)		(0)	
RESPIRATORY SYSTEM											
Lung	(0)	(0)		(0)		(0)		(0)		(0)	
Bronchiole, Infiltration Cellular, Lymphocyte, Focal											
Nose	(0)	(0)		(0)		(0)		(0)		(0)	
Respirat Epith, Hyperplasia, Goblet Cell											
Trachea	(0)	(0)		(0)		(0)		(0)		(0)	
SPECIAL SENSES SYSTEM											
Eye	(0)	(0)		(0)		(0)		(0)		(0)	
Harderian Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Infiltration Cellular, Lymphocyte											
URINARY SYSTEM											
Kidney	(0)	(0)		(0)		(0)		(0)		(0)	
Nephropathy											
Renal Tubule, Casts Granular											
Urinary Bladder	(0)	(0)		(0)		(0)		(0)		(0)	

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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
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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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

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Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:31:50

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Scheduled Sacrifice						
Early Deaths						
Accidentally Killed						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(1)	(2)	(1)	(1)	(10)
Hepatodiaphragmatic Nodule	1 [2.0]	1 [2.0]	2 [2.0]	1 [1.0]	1 [2.0]	1 [2.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Tongue	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy						1 [1.0]

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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Species/Strain: Rat/F 344/N

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AVERAGE SEVERITY GRADES[b]**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:31:51

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(1)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(9)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(3)	(0)	(0)	(0)	(0)	(6)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ectopic Thymus	1 [1.0]					
GENERAL BODY SYSTEM						
Tissue NOS	(1)	(1)	(0)	(0)	(0)	(0)
Abdominal, Fat, Necrosis, Focal	1 [4.0]	1 [3.0]				
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(1)	(10)
Cyst					1 [1.0]	
Ovary	(10)	(0)	(0)	(1)	(0)	(10)
Uterus	(10)	(10)	(10)	(10)	(10)	(10)
Dilatation	1	3	6	2	3	6
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(1)	(2)	(1)	(2)	(3)
Mediastinal, Congestion						1 [2.0]
Mediastinal, Hyperplasia, Lymphoid		1 [2.0]	2 [2.0]	1 [2.0]	2 [2.5]	3 [2.3]
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Congestion						1 [2.0]
Thymus	(10)	(0)	(0)	(0)	(1)	(10)
Atrophy	9 [1.0]					9 [1.0]

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)

Experiment Number: 95003-03

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Species/Strain: Rat/F 344/N

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AVERAGE SEVERITY GRADES[b]**

Test Compound: Methyl trans-styryl ketone

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Date Report Requested: 10/22/2014

Time Report Requested: 07:31:51

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(10)	(10)	(10)	(10)	(10)
SOA Epidermis, Degeneration					2 [3.0]	1 [1.0]
SOA Epidermis, Hyperplasia		3 [1.0]	3 [1.0]	7 [1.6]	9 [2.2]	10 [2.2]
SOA, Hyperkeratosis		6 [1.0]	6 [1.0]	9 [1.9]	8 [1.6]	9 [2.0]
SOA, Inflammation, Chronic Active				1 [1.0]	6 [2.5]	4 [2.8]
SOA, Necrosis					4 [2.0]	2 [1.5]
SOA, Sebaceous Gl, Hypertrophy		1 [1.0]	5 [1.0]	7 [1.0]	4 [1.5]	8 [1.6]
SOA, Ulcer					1	1
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage, Focal						1 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Respirat Epith, Hyperplasia, Goblet Cell		8 [1.0]	3 [1.0]	3 [1.0]	7 [1.4]	5 [1.2]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lipocyte	1 [1.0]					
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Mineralization	1 [1.0]					

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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**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: 10/22/2014

Time Report Requested: 07:31:51

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Nephropathy		2 [1.0]	2 [1.0]			
Renal Tubule, Necrosis				1 [3.0]		
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(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)

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

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**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: 10/22/2014

Time Report Requested: 07:31:51

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
Disposition Summary											
Animals Initially In Study	10	10		10		10		10		10	
Scheduled Sacrifice	10	10		10		9		10		10	
Early Deaths											
Accidentally Killed						1					
Survivors											
Terminal Sacrifice											
Animals Examined Microscopically											
ALIMENTARY SYSTEM											
Esophagus	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Large, Cecum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Large, Colon	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Large, Rectum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Small, Duodenum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Small, Ileum	(0)	(0)		(0)		(0)		(0)		(0)	
Intestine Small, Jejunum	(0)	(0)		(0)		(0)		(0)		(0)	
Liver	(0)	(0)		(0)		(0)		(0)		(0)	
Hepatodiaphragmatic Nodule											
Pancreas	(0)	(0)		(0)		(0)		(0)		(0)	
Salivary Glands	(0)	(0)		(0)		(0)		(0)		(0)	
Stomach, Forestomach	(0)	(0)		(0)		(0)		(0)		(0)	
Stomach, Glandular	(0)	(0)		(0)		(0)		(0)		(0)	
Tongue	(0)	(0)		(0)		(0)		(0)		(0)	
CARDIOVASCULAR SYSTEM											
Blood Vessel	(0)	(0)		(0)		(0)		(0)		(0)	
Heart	(0)	(0)		(0)		(0)		(0)		(0)	
Cardiomyopathy											

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Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**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: 10/22/2014

Time Report Requested: 07:31:51

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
ENDOCRINE SYSTEM											
Adrenal Cortex	(0)	(0)		(0)		(0)		(0)		(0)	
Adrenal Medulla	(0)	(0)		(0)		(0)		(0)		(0)	
Islets, Pancreatic	(0)	(0)		(0)		(0)		(0)		(0)	
Parathyroid Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Pituitary Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Thyroid Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Ectopic Thymus											
GENERAL BODY SYSTEM											
Tissue NOS	(0)	(0)		(0)		(0)		(0)		(0)	
Abdominal, Fat, Necrosis, Focal											
GENITAL SYSTEM											
Clitoral Gland	(0)	(0)		(0)		(0)		(0)		(0)	
Cyst											
Ovary	(0)	(0)		(0)		(0)		(0)		(0)	
Uterus	(0)	(0)		(0)		(0)		(0)		(0)	
Dilatation											
HEMATOPOIETIC SYSTEM											
Bone Marrow	(0)	(0)		(0)		(0)		(0)		(0)	
Lymph Node	(0)	(0)		(0)		(0)		(0)		(0)	
Mediastinal, Congestion											
Mediastinal, Hyperplasia, Lymphoid											
Lymph Node, Mesenteric	(0)	(0)		(0)		(0)		(0)		(0)	
Spleen	(0)	(0)		(0)		(0)		(0)		(0)	
Congestion											
Thymus	(0)	(0)		(0)		(0)		(0)		(0)	
Atrophy											

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Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**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: 10/22/2014

Time Report Requested: 07:31:51

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat FEMALE	CONTROL SPECIAL	TK 22.0 MG/KG	TK 44.0 MG/KG	TK 87.5 MG/KG	TK 175 MG/KG	TK 350 MG/KG
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin	(0)	(0)	(0)	(0)	(0)	(0)
SOA Epidermis, Degeneration						
SOA Epidermis, Hyperplasia						
SOA, Hyperkeratosis						
SOA, Inflammation, Chronic Active						
SOA, Necrosis						
SOA, Sebaceous Gl, Hypertrophy						
SOA, Ulcer						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Hemorrhage, Focal						
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Respirat Epith, Hyperplasia, Goblet Cell						
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
Infiltration Cellular, Lipocyte						
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(0)	(0)	(0)
Mineralization						

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

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F 344/N Rat FEMALE	CONTROL SPECIAL	TK 22.0	MG/KG	TK 44.0	MG/KG	TK 87.5	MG/KG	TK 175	MG/KG	TK 350	MG/KG
Nephropathy											
Renal Tubule, Necrosis											
Urinary Bladder	(0)	(0)		(0)		(0)		(0)		(0)	

** END OF REPORT **

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)