Experiment Number: 95003-01 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

C Number:	C95003B
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

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

Experiment Number: 95003-01

F 344/N Rat Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 0 0 1	0 9 2 0 0 0 0 0 2	0 9 2 0 0 0 0 3	0 9 2 0 0 0 0 4	0 9 2 0 0 0 0 5	0 9 2 0 0 0 0 0 6	0 9 2 0 0 0 0 7	0 9 2 0 0 0 0 8	0 9 2 0 0 0 0 0 9	0 9 2 0 0 0 0 1 0	*TC	ΤA	LS
Alimentary System				•							•			
Esophagus Intestine Large, Cecum Intestine Large, Colon Intestine Large, Rectum Intestine Small, Duodenum Intestine Small, Ileum Intestine Small, Jejunum Liver Hepatodiaphragmatic Nodu Vacuolization Cytoplasmic	le	+ + + + + + + + +	+ + + + + + + + +	+ + + + + + + + +	+ + + + + + + + +	+ + + + + + + + 1	+ + + + + + + + + +	+ + + + + + + + + +	+ + + + + + + + +	+ + + + + X	+ + + + + + + +	10 10 10 10 10 10 10	1	1.0
Pancreas Salivary Glands Stomach, Forestomach Stomach, Glandular Tongue Cardiovascular System		+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	10 10 10 10		
Blood Vessel Heart Cardiomyopathy <b>Endocrine System</b>		+ +	+ + 2	+ +	+ + 2	+ + 1	+ +	+ +	+ + 1	+ + 1	+ +	10 10	5	1.4

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

1-4 .. Lesion qualified as:

2) Mild

1) Minimal 3) Moderate

4) Marked

BLANK .. Not examined microscopically

A .. Autolysis precludes evaluation

M .. Missing tissue

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

F 344/N Rat Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 0 9 2 0 0												
		0 0 1	0 0 2	0 0 3	0 0 4	0 0 5	0 0 6	0 0 7	0 0 8	0 0 9	0 1 0	*TO	ТА	IS
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10	17.	
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10		
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland		Μ	+	+	М	+	+	М	+	+	+	7		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
General Body System														
NONE														
Genital System														
Epididymis		+	+	+	+	+	+	+	+	+	+	10		
Preputial Gland		+	+	+	+	+	+	+	+	+	+	10		
Prostate		+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	10		
Testes		+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic System														
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mandibular		М	М	М	М	М	М	М	М	Μ	М	0		
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		
Spleen		+	+	+	+	+	+	+	+	+	+	10		
Thymus		+	+	+	+	+	+	+	+	+	+	10		
Necrosis				1						1			2	1.0

Experiment Number: 95003-01 Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

	DAY ON TEST	0 0	0 0	0	0 0	0	0 0	0 0	0 0	0 0	0 0			
F 344/N Rat Male VEHICLE CONTROL		9 2	9 2	9 2	9 2	9 2	9 2	9 2	9 2	9 2	9 2			
	ANIMAL ID	0 0 0 1	0 0 0 2	0 0 0 3	0 0 0 4	0 0 0 5	0 0 0 0 6	0 0 0 7	0 0 0 8	0 0 0 9	0 0 1 0	*TO	<u>TA</u>	<u>LS</u>
Integumentary System														
Mammary Gland Skin		M +	M +	M +	M +	M +	M +	M +	M +	M +	M +	0 10		
Musculoskeletal System														
Bone		+	+	+	+	+	+	+	+	+	+	10		
Nervous System														
Brain		+	+	+	+	+	+	+	+	+	+	10		
Respiratory System														
Lung		+	+	+	+	+	+	+	+	+	+	10		
Bronchiole, Infiltration Cellu Focal	ular, Lymphocyte,			1									1	1.0
Perivascular, Infiltration Ce Lymphocyte, Focal	ellular,	1	1										2	1.0
Nose		+	+	+	+	+	+	+	+	+	+	10		
Trachea		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System														
Eye		+	+	+	+	+	+	+	+	+	+	10		
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10		
Urinary System														
Kidney		+	+	+	+	+	+	+	+	+	+	10		

Experiment Number: 95003-01

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: DOSED FEED

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopicallyM ..Missing tissue1-4 ..Lesion qualified as:X ..Lesion presentA ..Autolysis precludes evaluation1) Minimal 3) ModerateI ..Insufficient tissueBLANK ..Not examined microscopically2) Mild

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

6 1.0

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

DAY ON TEST 0 F 344/N Rat Male 2 2 2 **VEHICLE CONTROL** 0 0 0 0 2 0 0 0 5 0 0 0 8 ANIMAL ID Õ 1 3 6 9 Ō 7 **\*TOTALS** Nephropathy 

> + + + + + + + + + +

Urinary Bladder

Experiment Number: 95003-01

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: DOSED FEED

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 .. Lesion qualified as: 1) Minimal 3) Moderate 4) Marked 2) Mild

Experiment Number: 95003-01 Test Type: 90-DAY

# Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

#### CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male	DAY ON TEST	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	
0.025%	ANIMAL ID	2 0 0 0 1	2 0 0 0 1 2	2 0 0 1 3	2 0 0 0 1 4	2 0 0 0 1 5	2 0 0 0 1 6	2 0 0 1 7	2 0 0 0 1 8	2 0 0 0 1 9	2 0 0 0 2 0	*TOTALS
Alimentary System						-						
Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10
NONE Endocrine System												
NONE General Body System												
NONE Genital System												
NONE Hematopoietic System												
NONE Integumentary System												
NONE Musculoskeletal System												
NONE Nervous System												
NONE												

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.025%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 1 1	0 9 2 0 0 0 0 1 2	0 9 2 0 0 0 0 1 3	0 9 2 0 0 0 1 4	0 9 2 0 0 0 0 1 5	0 9 2 0 0 0 0 1 6	0 9 2 0 0 0 0 1 7	0 9 2 0 0 0 1 8	0 9 2 0 0 0 0 1 9	0 9 2 0 0 0 2 0	*TC	ЭТА	LS
Respiratory System										•				
Nose		+	+	+	+	+	+	+	+	+	+	10		
Goblet Cell, Respirat Epit	h, Hyperplasia			1		1			1	1			4	1.0
Special Senses System														
NONE														
Urinary System														
Kidney		+	+	+	+	+	+	+	+	+	+	10		
Nephropathy		1	1	1	1	1		1		1	1		8	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

Experiment Number: 95003-01

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: DOSED FEED

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:50 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.05%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 2 1	0 9 2 0 0 0 2 2	0 9 2 0 0 0 2 3	0 9 2 0 0 0 2 4	0 9 2 0 0 0 2 5	0 9 2 0 0 0 2 6	0 9 2 0 0 0 2 7	0 9 2 0 0 0 2 8	0 9 2 0 0 0 0 2 9	0 9 2 0 0 0 3 0	*TC	ΟΤΑ	LS_
Alimentary System Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10		
NONE Endocrine System														
NONE General Body System														
NONE Genital System														
NONE Hematopoietic System														
Lymph Node Hyperplasia, Lymphoid Mediastinal, Congestion Mediastinal, Hyperplasia, L Integumentary System	ymphoid		+ 2 1		+ 3		+ 3					3	1 1 2	2.0 1.0 3.0
NONE														

Musculoskeletal System

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.05%	DAY ON TEST ANIMAL ID	0 9 2 0 0 2 1	0 9 2 0 0 0 2 2	0 9 2 0 0 0 2 3	0 9 2 0 0 0 2 4	0 9 2 0 0 0 2 5	0 9 2 0 0 0 2 6	0 9 2 0 0 0 0 2 7	0 9 2 0 0 0 2 8	0 9 2 0 0 0 0 2 9	0 9 2 0 0 0 3 0	*T(	DTA	LS
NONE Nervous System NONE Respiratory System														
Nose Goblet Cell, Respirat Epit <b>Special Senses System</b> NONE	h, Hyperplasia	+	+	+ 1	+ 1	+ 1	+	+	+	+	+	10	3	1.0
Urinary System Kidney Nephropathy		+ 1	+ 1	+ 1	+ 1	+ 1	+	+	+ 1	+ 1	+ 1	10	8	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.1%	DAY ON TES	T 0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2		
0.1%	ANIMAL I		0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 5	0 0 0 3 6	2 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	*T(	OTALS
Alimentary System													
Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10	
NONE Endocrine System													
NONE General Body System													
NONE Genital System													
NONE Hematopoietic System													
Lymph Node		+										1	
Mediastinal, Congestion		2											1 2.0
Mediastinal, Hyperplasia Integumentary System	, Lymphoid	3											1 3.0
NONE Musculoskeletal System													

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.1%	DAY ON TEST	0 9 2 0 0 0 3 1	0 9 2 0 0 0 3 2	0 9 2 0 0 0 3 3 3	0 9 2 0 0 0 3 4	0 9 2 0 0 0 3 5	0 9 2 0 0 0 3 6	0 9 2 0 0 0 3 7	0 9 2 0 0 3 8	0 9 2 0 0 0 3 9	0 9 2 0 0 0 4 0	*T(	ΟΤΑ	LS
Nervous System														
NONE Respiratory System														
Nose Goblet Cell, Respirat Ep Special Senses System	bith, Hyperplasia	+ 1	+	+	+	+ 1	+ 2	+	+	+ 1	+	10	4	1.3
NONE Urinary System														
Kidney Nephropathy		+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+ 1	+	10	9	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male	DAY ON TEST	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	009	0 0 9	0 0 9	009	
0.2%	ANIMAL ID	2 0 0 0 4 1	2 0 0 0 4 2	2 0 0 4 3	2 0 0 4 4	2 0 0 4 5	2 0 0 0 4 6	2 0 0 0 4 7	2 0 0 0 4 8	2 0 0 0 4 9	2 0 0 5 0	*TOTALS
Alimentary System		-		-		-	-		-	-		
Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10
NONE Endocrine System												
NONE General Body System												
NONE Genital System												
NONE Hematopoietic System												
NONE Integumentary System												
NONE Musculoskeletal System												
NONE Nervous System												
NONE												

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.2%	DAY ON TEST	0 9 2 0 0 0 4 1	0 0 9 2 0 0 0 4 2	0 9 2 0 0 0 4 3	0 0 9 2 0 0 0 0 4 4	0 0 9 2 0 0 0 4 5	0 0 9 2 0 0 0 4 6	0 0 9 2 0 0 0 0 4 7	0 0 9 2 0 0 0 4 8	0 9 2 0 0 0 4 9	0 0 9 2 0 0 0 5 0	*T(	ΟΤΑ	LS
Respiratory System														
Nose		+	+	+	+	+	+	+	+	+	+	10		
Goblet Cell, Respirat Epi	ith, Hyperplasia					1	1				1		3	1.0
Special Senses System														
NONE														
Urinary System														
Kidney		+	+	+	+	+	+	+	+	+	+	10		
Nephropathy		1	1	1	1	1	1	1	1	1	1		10	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male	DAY ON TEST	0 0	0 0 9	0 0 9	0 0 9	0 0 9	000	0 0 9	0 0 9	0 0 9	0 0 9				
0.4%	ANIMAL ID	9 2 0 0 0 5 1	9 2 0 0 0 5 2	9 2 0 0 0 5 3	9 2 0 0 0 5 4	<b>9</b> 2 0 0 0 5 5	9 2 0 0 0 5 6	9 2 0 0 0 5 7	9 2 0 0 0 5 8	9 2 0 0 0 5 9	9 2 0 0 0 6 0	*TC	ΤΑ	LS_	
Alimentary System															
Esophagus		+	+	+	+	+	+	+	+	+	+	10			
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	10			
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	10			
Intestine Small, Jejunum		+	+	+	+	+	+	+	+	+	+	10			
Liver		+	+	+	+	+	+	+	+	+	+	10			
Vacuolization Cytoplasmic					1								1	1.0	
Pancreas		+	+	+	+	+	+	+	+	+	+	10			
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10			
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10			
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10			
Tongue		+	+	+	+	+	+	+	+	+	+	10			
Cardiovascular System															
Blood Vessel		+	+	+	+	+	+	+	+	+	+	10			
Heart		+	+	+	+	+	+	+	+	+	+	10			
Cardiomyopathy				1	1	1			1	1	1		6	1.0	
Endocrine System															
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10			

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopicallyM ..Missing tissue1-4 ..Lesion qualified as:X ..Lesion presentA ..Autolysis precludes evaluation1) Minimal 3) ModerateI ..Insufficient tissueBLANK ..Not examined microscopically2) Mild4) Marked

0

2

0

0

0

6 0

+

0

0 0

9 9

2

0 0

0 5 9

+ +

0 0

1

0

9 2 9 2

+ + + +

+ +

0

9

2

0 0

0 0

0 0

5 6 5 7

+

9 2

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

**\*TOTALS** 

1 2.0

10

10

9

10

10

1 1.0

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

+	+	+	+	+		+	+	+	+	10
M	M	M	M	M		M	M	M	M	0
ally; Tota	anim	als w	ith le		I	MM AAi	issinų utolys	g tiss sis pro	ue eclude:	s evaluation roscopically

## Pituitary Gland Cyst Thyroid Gland **General Body System**

Adrenal Medulla

Islets, Pancreatic

Parathyroid Gland

Experiment Number: 95003-01

Species/Strain: Rat/F 344/N

Capsule, Thrombosis

F 344/N Rat Male

0.4%

DAY ON TEST

ANIMAL ID

0

0 0 0

9

2

0 0

0 5 1

M

+ + + + + + + + + +

+ + + + + +

0 0 0 0 0 0

9 2

9 9

2 2

0

0

5 3

2

0 0

0

Õ 0

0 5

4

Test Type: 90-DAY

Route: DOSED FEED

## NONE

## **Genital System**

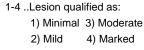
Epididymis Aspermia	+	+	+	+	+	+	+	+	+ 4	+	10	1	4.0
Preputial Gland Infiltration Cellular, Lymphocyte, Focal	+	+	+	+	+	+ 1	+	+	+	+	10	1	1.0
Prostate	+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10		
Testes	+	+	+	+	+	+	+	+	+	+	10		
Germinal Epith, Atrophy									4			1	4.0
Hematopoietic System													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mandibular	М	М	М	М	М	М	М	М	М	М	0		

\* .. Total animals with tissue examined microscopical ty grade

+ .. Tissue examined microscopically

Х	Lesion	present
---	--------	---------

I .. Insufficient tissue



Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.4%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 5 1	0 9 2 0 0 0 5 2	0 9 2 0 0 0 5 3	0 9 2 0 0 0 5 4	<i>0</i> <i>0</i> <i>9</i> <i>2</i> 0 0 0 5 5	0 0 9 2 0 0 0 5 6	0 9 2 0 0 0 5 7	0 0 9 2 0 0 0 5 8	0 0 9 2 0 0 0 5 9	0 9 2 0 0 0 0 6 0	*TC	ΤΑ	LS
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		
Spleen		+	+	+	+	+	+	+	+	+	+	10		
Thymus		+	+	+	+	+	+	+	+	+	+	10		
Atrophy		1											1	1.0
Integumentary System														
Mammary Gland		М	М	М	М	М	М	М	М	М	М	0		
Skin		+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System														
Bone <b>Nervous System</b>		+	+	+	+	+	+	+	+	+	+	10		
Brain		+	+	+	+	+	+	+	+	+	+	10		
Respiratory System														
Lung		+	+	+	+	+	+	+	+	+	+	10		
Nose		+	+	+	+	+	+	+	+	+	+	10		
Goblet Cell, Respirat Epith	n, Hyperplasia	1	2	2	2	1		1	1	1	1		9	1.3
Trachea		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System														
Eye		+	+	+	+	+	+	+	+	+	+	10		
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10		

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

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-

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male	DAY ON TEST	0 0	0 0	0 0	0 0	00	00	00	0 0	00	00	
0.4%		9 2	9 2	9 2	9 2	9 2	9 2	9 2	9 2	9 2	9 2	
	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	*TOTALS
Urinary System												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Nephropathy		2	2	2	2	1	1	1	1	2	2	10 1.6
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	1	Pos	9: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST			
F 344/N Rat Male				
CONTROL SPECIAL				
	ANIMAL ID			
		*TOTALS		
Alimentary System				
NONE Cardiovascular System				
NONE Endocrine System				
NONE General Body System				
NONE Genital System				
NONE Hematopoietic System				
NONE Integumentary System				
NONE Musculoskeletal System				
NONE Nervous System				
NONE				

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Experiment Number: 95003-01							
Test Type: 90-DAY							
Route: DOSED FEED							
Species/Strain: Rat/F 344/N							

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male
<b>CONTROL SPECIAL</b>

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	)1	P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA
F 344/N Rat Male 0.025% SPECIAL	DAY ON TEST		
	ANIMAL ID	*TOTALS	
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
NONE Musculoskeletal System			
NONE Nervous System			
NONE			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL						
Test Type: 90-DAY		Test Compound: Methyl trans-styryl ketone						
Route: DOSED FEED		CAS Number: 1896-62-4						
Species/Strain: Rat/F 344/N								
	DAY ON TEST							
F 344/N Rat Male								
0.025% SPECIAL								
	ANIMAL ID							
		*TOTALS						
Respiratory System								
NONE								
Special Senses System								
NONE								
Urinary System								
NONE								

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically 1-4 ..Lesion qualified as:1) Minimal 3) Moderate2) Mild 4) Marked

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51

First Dose M/F: NA / NA

Lab: MBA

Experiment Number: 95003-0 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	)1	P09: NON-NEOPLASTIC LESIONS BY INDIV Test Compound: Methyl trans-styryl k CAS Number: 1896-62-4	· · ·
F 344/N Rat Male	DAY ON TEST		
0.05% SPECIAL	ANIMAL ID	*TOTALS	
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
NONE Musculoskeletal System			
NONE <b>Nervous System</b>			
NONE			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N
DAY ON TEST
DATON TEST
F 344/N Rat Male

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

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat Male
0.05%	SPECIAL

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUA Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	· · ·
	DAY ON TEST		
F 344/N Rat Male 0.1% SPECIAL			
	ANIMAL ID	*TOTALS	
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
NONE Musculoskeletal System			
NONE Nervous System			
NONE			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically 1-4 ..Lesion qualified as:1) Minimal 3) Moderate2) Mild 4) Marked

4

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/	N Rat Male
0.1%	SPECIAL

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	1	P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST		
F 344/N Rat Male 0.2% SPECIAL			
	ANIMAL ID	*TOTALS	
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
NONE Musculoskeletal System			
NONE Nervous System			
NONE			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/	N Rat Male
0.2%	SPECIAL

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	1	PC	09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANI Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST			
F 344/N Rat Male 0.4% SPECIAL				
	ANIMAL ID	*TOTALS		
Alimentary System				
NONE Cardiovascular System				
NONE Endocrine System				
NONE General Body System				
NONE Genital System				
NONE Hematopoietic System				
NONE Integumentary System				
NONE Musculoskeletal System				
NONE Nervous System				
NONE				

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Experiment Number: 95003-01	P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIM	AL Date Report Requested: 10/23/2014
Test Type: 90-DAY	Test Compound: Methyl trans-styryl ketone	Time Report Requested: 08:20:51
Route: DOSED FEED	CAS Number: 1896-62-4	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N		Lab: MBA
DAY ON TEST		
F 344/N Rat Male		
0.4% SPECIAL		
ANIMAL ID		
	*TOTALS	
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

BLANK .. Not examined microscopically

A .. Autolysis precludes evaluation

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

0 0 0 0 0 0 0 0 0 0 F 344/N Rat Female 9 2 9 9 9 9 9 2 9 9 2 9 9 2 2 2 2 2 2 2 **VEHICLE CONTROL** 0 0 0 0 0 0 0 0 0 0 0 ANIMAL ID Ō Õ Õ Ō 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 1 6 2 6 5 6 6 6 8 6 9 6 6 6 7 7 **\*TOTALS** Ò 3 4 **Alimentary System** Esophagus 10 Intestine Large, Cecum 10 + Intestine Large, Colon 10 Intestine Large, Rectum 10 Intestine Small, Duodenum 10 Intestine Small, Ileum 10 + Intestine Small, Jejunum 10 + Liver 10 + + + Infiltration Cellular, Mononuclear CI 2 1.0 1 1 10 Pancreas + + + + + + + Atrophy 1.0 1 1 Salivary Glands 10 + Stomach, Forestomach 10 Stomach, Glandular 10 + Tongue 10 **Cardiovascular System** Blood Vessel 10 Heart 10 + + + + Cardiomyopathy 1 1 1.0

**Endocrine System** 

1-4 .. Lesion qualified as: 1) Minimal 3) Moderate 2) Mild 4) Marked

# M .. Missing tissue

# Experiment Number: 95003-01 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N

DAY ON TEST

0 0 0 0 0 0 0 0 0 0

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 6 1	0 9 2 0 0 0 6 2	0 9 2 0 0 0 6 3	0 9 2 0 0 0 6 4	0 9 2 0 0 0 6 5	0 9 2 0 0 0 6 6	<i>0</i> <i>9</i> <i>2</i> 0 0 0 6 7	0 9 2 0 0 0 6 8	0 9 2 0 0 0 0 6 9	0 9 2 0 0 0 7 0	*TO	TA	LS_
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10		
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10		
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland		+	+	+	+	+	Μ	+	+	+	Μ	8		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
Ectopic Thymus				1									1	1.0
General Body System														
NONE Genital System														
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10		
Ovary		+	+	+	+	+	+	+	+	+	+	10		
Uterus		+	+	+	+	+	+	+	+	+	+	10		
Hydrometra				2									1	2.0
Hematopoietic System														
Bone Marrow Lymph Node		+	+	+	+	+	+	+	+ +	+	+	10 1		
Mediastinal, Congestion									2				1	2.0
Mediastinal, Hyperplasia, L	ymphoid								2				1	2.0
Lymph Node, Mandibular		М	М	+	М	М	+	М	М	М	М	2		
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

Experiment Number: 95003-01

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: DOSED FEED

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as: X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

		ANIIW

F 344/N Rat Female VEHICLE CONTROL	DAY ON TEST	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2						
	ANIMAL ID	0 0 0 6 1	0 0 6 2	0 0 6 3	0 0 6 4	0 0 6 5	0 0 6 6	0 0 6 7	0 0 6 8	0 0 0 6 9	0 0 7 0	*TO	TA	<u>LS</u>			
Spleen		+	+	+	+	+	+	+	+	+	+	10					
Thymus		+	+	+	+	+	+	+	+	+	+	10					
Atrophy		1			1			1	1				4	1.0			
Necrosis			1	1		1	1			1	1		6	1.0			
Integumentary System																	
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10					
Skin		+	+	+	+	+	+	+	+	+	+	10					
Musculoskeletal System																	
Bone <b>Nervous System</b>		+	+	+	+	+	+	+	+	+	+	10					
-																	
Brain		+	+	+	+	+	+	+	+	+	+	10					
Respiratory System																	
Lung		+	+	+	+	+	+	+	+	+	+	10					
Hemorrhage, Focal							1						1	1.0			
Nose		+	+	+	+	+	+	+	+	+	+	10					
Goblet Cell, Respirat Epith	, Hyperplasia	1			1					1			3	1.0			
Trachea		+	+	+	+	+	+	+	+	+	+	10					
Special Senses System																	
Eye		+	+	+	+	+	+	+	+	+	+	10					
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10					

Experiment Number: 95003-01 Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

1.0

1.0

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

+ + + + + Renal Tubule, Necrosis Urinary Bladder + + +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 .. Lesion qualified as: 1) Minimal 3) Moderate 4) Marked 2) Mild

# Experiment Number: 95003-01 Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### DAY ON TEST 0 F 344/N Rat Female 2 2 2 2 2 **VEHICLE CONTROL** 0 0 0 0 0 6 5 0 0 6 8 ANIMAL ID Ō 6 1 2 3 6 7 9 . 0 **\*TOTALS Urinary System** Kidney Nephropathy

Experiment Number: 95003-01 Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:51 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.025%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 7 1	0 9 2 0 0 0 7 2	0 9 2 0 0 0 7 3	0 9 2 0 0 0 7 4	0 9 2 0 0 0 7 5	<i>0</i> <i>9</i> <i>2</i> 0 0 0 7 6	0 9 2 0 0 0 7 7 7	0 9 2 0 0 0 7 8	0 9 2 0 0 0 7 9	0 9 2 0 0 0 8 0	*T(	ΔΤΟ	LS
Alimentary System Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10		
NONE Endocrine System														
NONE General Body System														
NONE Genital System														
Ovary Hematopoietic System							+					1		
Lymph Node				+					+			2		
Mediastinal, Congestion				2					1				2	1.5
Mediastinal, Hyperplasia, I Integumentary System	_ymphoid			2					2				2	2.0
NONE Musculoskeletal System														

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.025%	DAY ON TEST ANIMAL ID	0 0 9 2 0 0 0												
		7 1	7 2	7 3	7 4	7 5	7 6	7 7	7 8	7 9	8 0	*T(	ΟΤΑ	LS
Nervous System			-											
NONE Respiratory System														
Nose		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System														
NONE														
Urinary System														
Kidney		+	+	+	+	+	+	+	+	+	+	10		
Renal Tubule, Necrosis					3		1						2	2.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY

# Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

#### CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

Opecies/Otrain. Navi 344/N															
F 344/N Rat Female 0.05%	DAY ON TEST	0 0 9 2													
	ANIMAL ID	0 0 0 8 1	0 0 0 8 2	0 0 0 8 3	0 0 0 8 4	0 0 0 8 5	0 0 0 8 6	0 0 0 8 7	0 0 0 8 8	0 0 0 8 9	0 0 0 9 0	*-	гот	AI	LS_
Alimentary System															
Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	1	0		
NONE Endocrine System															
NONE General Body System															
NONE Genital System															
Ovary Cyst								+	+ 2			2		1	2.0
Hematopoietic System									2					1	2.0
Lymph Node					+				+			2	<u>)</u>		
Mediastinal, Congestion					1				2				_	2	1.5
Mediastinal, Hyperplasia, I Integumentary System	_ymphoid				2				1				2	2	1.5

#### NONE

Musculoskeletal System

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.05%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 8 1	0 9 2 0 0 0 8 2	0 9 2 0 0 0 8 3	0 9 2 0 0 0 8 4	0 9 2 0 0 0 8 5	0 9 2 0 0 0 8 6	0 9 2 0 0 0 8 7	0 9 2 0 0 0 8 8	0 9 2 0 0 0 8 9	0 9 2 0 0 0 9 0	*TOTALS
NONE Nervous System NONE Respiratory System				-		-	-			-		
Nose Goblet Cell, Respirat Epith <b>Special Senses System</b> NONE	n, Hyperplasia	+ 1	+	+	+	+	+ 1	+	+ 1	+	+	10 3 1.0
<b>Urinary System</b> Kidney		+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Necrosis			2						1			2 1.5

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.1%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 9 1	0 9 2 0 0 0 9 2	0 9 2 0 0 0 9 3	0 0 9 2 0 0 0 9 4	0 0 9 2 0 0 0 9 5	0 9 2 0 0 0 9 6	0 9 2 0 0 0 9 7	0 9 2 0 0 0 9 8	0 0 9 2 0 0 0 9 9 9	0 9 2 0 0 1 0 0	*T(	ΟΤΑ	ALS_
Alimentary System			_	<u> </u>					<u> </u>	0	Ū			
Stomach, Glandular Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10		
NONE Endocrine System														
NONE General Body System														
NONE Genital System														
Ovary			+									1		
Cyst			2										1	2.0
Hematopoietic System														
Lymph Node			+								+	2		
Mediastinal, Congestion			2										1	2.0
Mediastinal, Hyperplasia, I Integumentary System	_ymphoid		2								2		2	2.0

#### NONE

Musculoskeletal System

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

# Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

#### CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.1%	DAY ON TEST ANIMAL ID	0 9 2 0 0 0 9 1	0 0 9 2 0 0 0 0 9 2	0 9 2 0 0 0 9 3	0 0 9 2 0 0 0 9 4	0 0 9 2 0 0 0 9 5	0 0 9 2 0 0 0 9 6	0 9 2 0 0 0 9 7	0 0 9 2 0 0 0 9 8	0 0 9 2 0 0 0 0 9 9 9	0 0 9 2 0 0 0 1 0 0	*T(	ΔΤΑ	LS
NONE Nervous System NONE Respiratory System														
Nose Goblet Cell, Respirat Epith <b>Special Senses System</b> NONE <b>Urinary System</b>	, Hyperplasia	+ 1	+	+	+	+	+ 1	+	+	+	+ 1	10	3	1.0
Kidney Renal Tubule, Necrosis		+	+	+	+	+ 1	+ 1	+	+	+	+	10	2	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.2%	DAY ON TEST ANIMAL ID	<i>0</i> <i>9</i> <i>2</i> 0 0 1 0 1	0 9 2 0 0 1 0 2	0 9 2 0 0 1 0 3	0 9 2 0 0 1 0 4	0 9 2 0 0 1 0 5	0 9 2 0 0 1 0 6	0 9 2 0 0 1 0 7	0 9 2 0 0 1 0 8	0 9 2 0 0 1 9 9	0 9 2 0 0 1 1 0	*T(	DTA	LS
Alimentary System														
Liver Hepatodiaphragmatic Nod Stomach, Glandular Cardiovascular System	ule	+	+	+	+	+ 2 +	+	+	+	+	+	1 10	1	2.0
NONE Endocrine System														
NONE General Body System														
NONE Genital System														
Ovary Cyst <b>Hematopoietic System</b>							+ 2		+			2	1	2.0
Lymph Node Mediastinal, Congestion Mediastinal, Hyperplasia, I Integumentary System	_ymphoid				+ 1 2	+ 2 2			+ 2 3			3	3 3	1.7 2.3

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.2%	DAY ON TEST ANIMAL ID	0 9 2 0 0 1 0 1	0 9 2 0 0 1 0 2	0 9 2 0 0 1 0 3	0 9 2 0 0 1 0 4	0 9 2 0 0 1 5	0 9 2 0 0 1 0 6	0 9 2 0 0 1 0 7	0 9 2 0 0 1 0 8	0 9 2 0 0 1 9	0 9 2 0 0 1 1 0	*TC	ΟΤΑ	<u>LS</u>
Musculoskeletal System														
NONE Nervous System NONE Respiratory System														
Nose Goblet Cell, Respirat Epit Respirat Epith, Inflammat <b>Special Senses System</b>		+	+ 1	+	+	+	+ 1	+	+	+ 1 1	+	10	3 1	1.0 1.0
NONE Urinary System														
Kidney Renal Tubule, Necrosis		+	+	+	+	+	+ 2	+	+	+	+	10	1	2.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.4%	DAY ON TEST ANIMAL ID	0 9 2 0 1 1 1	0 9 2 0 0 1 1 2	0 9 2 0 0 1 1 3	0 9 2 0 0 1 1 4	0 9 2 0 0 1 1 5	0 9 2 0 0 1 1 6	0 9 2 0 0 1 1 7	0 9 2 0 1 1 8	0 9 2 0 0 1 1 9	0 9 2 0 0 1 2 0	*TOTALS
Alimentary System												
Esophagus		+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum		+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon		+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum		+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum		+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum		+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum		+	+	+	+	+	+	+	+	+	+	10
Liver		+	+	+	+	+	+	+	+	+	+	10
Pancreas		+	+	+	+	+	+	+	+	+	+	10
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10
Tongue		+	+	+	+	+	+	+	+	+	+	10
Cardiovascular System												
Blood Vessel		+	+	+	+	+	+	+	+	+	+	10
Heart		+	+	+	+	+	+	+	+	+	+	10
Endocrine System												
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla		+	+	+	+	+	+	+	+	Μ	+	9
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	10

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### **P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.4%	DAY ON TEST ANIMAL ID	0 9 2 0 1 1 1	0 9 2 0 1 1 2	0 9 2 0 0 1 1 3	0 9 2 0 0 1 1 4	0 9 2 0 0 1 1 5	0 9 2 0 0 1 1 6	0 9 2 0 0 1 1 7	0 9 2 0 0 1 1 8	0 9 2 0 0 1 1 9	0 9 2 0 0 1 2 0	*то	ΤΑ	IS
Parathyroid Gland		M	M	M	M	+	M	M	+	+	+	4		
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10		
General Body System														
Tissue NOS Abdominal, Fat, Necrosis,	Focal	+ 1										1	1	1.0
Genital System														
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10		
Ovary		+	+	+	+	+	+	+	+	+	+	10		
Uterus		+	+	+	+	+	+	+	+	+	+	10		
Hydrometra		2				1		2					3	1.7
Hematopoietic System														
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10		
Lymph Node						+		+				2		
Mediastinal, Hyperplasia								1					1	1.0
Lymph Node, Mandibular		М	М	М	М	М	Μ	Μ	Μ	Μ	Μ	0		
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10		
Necrosis, Lymphoid							1						1	1.0
Spleen		+	+	+	+	+	+	+	+	+	+	10		
Necrosis, Lymphoid							1		1				2	1.0
Thymus		+	+	+	+	+	+	+	+	+	+	10		

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

1-4 .. Lesion qualified as:

2) Mild

1) Minimal 3) Moderate

4) Marked

BLANK .. Not examined microscopically

A .. Autolysis precludes evaluation

M .. Missing tissue

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

F 344/N Rat Female 0.4%	DAY ON TEST ANIMAL ID	0 0 9 2 0 0 1 1	0 9 2 0 0 1 1	0 0 9 2 0 0 1 1	0 0 9 2 0 0 1 1	0 0 9 2 0 0 1 1	0 9 2 0 0 1 1	0 9 2 0 0 1 1	0 0 9 2 0 0 1 1	0 0 9 2 0 0 1 1	0 9 2 0 0 1 2			
		1	2	3	4	5	6	7	8	9	Ō	*TO	ΤA	LS
Atrophy			1	1		1		1	-				4	1.0
Necrosis		1			1		1		1	1	1		6	1.0
Integumentary System														
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10		
Skin		+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System														
Bone		+	+	+	+	+	+	+	+	+	+	10		
Nervous System														
Brain		+	+	+	+	+	+	+	+	+	+	10		
Respiratory System														
Lung		+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic									1				1	1.0
Nose		+	+	+	+	+	+	+	+	+	+	10		
Goblet Cell, Respirat Epith	n, Hyperplasia	1	1	1			1	1	1	1			7	1.0
Trachea		+	+	+	+	+	+	+	+	+	+	10		
Special Senses System														
Eye		+	+	+	+	+	+	+	+	+	+	10		
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10		
Urinary System														

#### Experiment Number: 95003-01

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

### Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.4%	DAY ON TEST	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2			
	ANIMAL ID	0 0 1 1	0 0 1 1 2	0 0 1 3	0 0 1 1 4	0 0 1 1 5	0 0 1 1 6	0 0 1 1 7	0 0 1 1 8	0 0 1 1 9	0 0 1 2 0	*TC	ΤΑ	LS
Kidney		+	+	+	+	+	+	+	+	+	+	10		
Congestion				2									1	2.0
Renal Tubule, Necrosis		1				2	2						3	1.7
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10		

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0	l		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/23/2014
Test Type: 90-DAY Route: DOSED FEED			Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	Time Report Requested: 08:20:52 First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Female				
CONTROL SPECIAL				
	ANIMAL ID			
		*TOTALS	_	
Alimentary System				
NONE Cardiovascular System				
NONE Endocrine System				
NONE General Body System				
NONE Genital System				
NONE Hematopoietic System				
NONE Integumentary System				
NONE Musculoskeletal System				
NONE Nervous System				
NONE				

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female
<b>CONTROL SPECIAL</b>

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	I	F	P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMA Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	L Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST			
F 344/N Rat Female				
0.025% SPECIAL				
	ANIMAL ID	*TOTALS		
Alimentary System		TUTALS		
NONE Cardiovascular System				
NONE Endocrine System				
NONE General Body System				
NONE Genital System				
NONE Hematopoietic System				
NONE Integumentary System				
NONE Musculoskeletal System				
NONE Nervous System				
NONE				

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat Female
0.025%	SPECIAL

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0 Test Type: 90-DAY Route: DOSED FEED Species/Strain: Rat/F 344/N	1		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4	Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST			
F 344/N Rat Female 0.05% SPECIAL				
	ANIMAL ID	*TOTALS		
Alimentary System			—	
NONE Cardiovascular System				
NONE Endocrine System				
NONE General Body System				
NONE Genital System				
NONE Hematopoietic System				
NONE Integumentary System				
NONE Musculoskeletal System				
NONE Nervous System				
NONE				

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat Female
0.05%	SPECIAL

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01	l		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/23/2014
Test Type: 90-DAY			Test Compound: Methyl trans-styryl ketone	Time Report Requested: 08:20:52
Route: DOSED FEED			CAS Number: 1896-62-4	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Female				
0.1% SPECIAL				
	ANIMAL ID			
		*TOTALS		
Alimentary System				
NONE				
Cardiovascular System				
NONE				
Endocrine System				
NONE				
General Body System				
NONE				
Genital System				
NONE				
Hematopoietic System				
NONE				
Integumentary System				
NONE				
Musculoskeletal System				
NONE				
Nervous System				
NONE				

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

0.1% SPECIAL

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-0	)1		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/23/2014
Test Type: 90-DAY			Test Compound: Methyl trans-styryl ketone	Time Report Requested: 08:20:52
Route: DOSED FEED			CAS Number: 1896-62-4	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Female				
0.2% SPECIAL				
	ANIMAL ID			
		*TOTALS	<u>8</u>	
Alimentary System				
NONE				
Cardiovascular System				
NONE				
Endocrine System				
NONE				
General Body System				
NONE				
Genital System				
NONE				
Hematopoietic System				
NONE				
Integumentary System				
NONE				
Musculoskeletal System				
NONE				
Nervous System				
NONE				

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat	Female

0.2% SPECIAL

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01			P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/23/2014
Test Type: 90-DAY			Test Compound: Methyl trans-styryl ketone	Time Report Requested: 08:20:52
Route: DOSED FEED			CAS Number: 1896-62-4	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Female				
0.4% SPECIAL				
	ANIMAL ID			
		*TOTALS	<u>8</u>	
Alimentary System				
NONE				
Cardiovascular System				
NONE				
Endocrine System				
NONE				
General Body System				
NONE				
Genital System				
NONE				
Hematopoietic System				
NONE				
Integumentary System				
NONE				
Musculoskeletal System				
NONE				
Nervous System				
NONE				

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 95003-01					
Test Type: 90-DAY					
Route: DOSED FEED					
Species/Strain: Rat/F 344/N					

Test Compound: Methyl trans-styryl ketone CAS Number: 1896-62-4 Date Report Requested: 10/23/2014 Time Report Requested: 08:20:52 First Dose M/F: NA / NA Lab: MBA

DAY	ON	TEST

## F 344/N Rat Female 0.4% SPECIAL

ANIMAL ID

**\*TOTALS** 

**Respiratory System** 

NONE

Special Senses System

NONE

**Urinary System** 

NONE

\*\* END OF REPORT \*\*

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically