

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

NTP Study Number: C95003
Lock Date: 01/08/2003
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF METHYL TRANS-STYRYL KETONE

MALE RATS

Organ

Kidney

Kidney: Renal Tubule

Liver

Nose: Respiratory Epithelium

Skin: Sebaceous Gland, Site of Application

Skin: Site of Application - Epidermis

Skin: Site of Application

Morphology

Nephropathy

Casts Granular

Hepatodiaphragmatic Nodule

Hyperplasia Goblet Cell

Hypertrophy

Hyperplasia

Hyperkeratosis

Inflammation Chronic

Necrosis

FEMALE RATS

Organ

Clitoral Gland

Liver

Nose: Respiratory Epithelium

Skin: Sebaceous Gland, Site of Application

Skin: Site of Application - Epidermis

Skin: Site of Application

Morphology

Cyst

Hepatodiaphragmatic Nodule

Hyperplasia Goblet Cell

Hypertrophy

Hyperplasia

Hyperkeratosis

Inflammation Chronic

Necrosis

Atrophy

Dilatation

Thymus

Uterus

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Harderian Gland Infiltration Cellular						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Harderian Gland Infiltration Cellular Lymphocyte						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Heart: Artery						
Inflammation Chronic Focal						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney Mineralization						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL (a)	5/10 (50%)	6/10 (60%)	8/10 (80%)	8/10 (80%)	9/10 (90%)	9/10 (90%)
POLY-3 RATE (b)	5/10.00	6/10.00	8/10.00	8/10.00	9/10.00	9/10.00
POLY-3 PERCENT (g)	50%	60%	80%	80%	90%	90%
TERMINAL (d)	5/10 (50%)	6/10 (60%)	8/10 (80%)	8/10 (80%)	9/10 (90%)	9/10 (90%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.033*	P=0.500	P=0.174	P=0.174	P=0.061	P=0.061
POLY 1.5	P=0.033*	P=0.500	P=0.174	P=0.174	P=0.061	P=0.061
POLY 6	P=0.033*	P=0.500	P=0.174	P=0.174	P=0.061	P=0.061
COCH-ARM / FISHERS	P=0.034*	P=0.500	P=0.175	P=0.175	P=0.070	P=0.070
MAX-ISO-POLY-3	P=0.018*	P=0.332	P=0.079	P=0.079	P=0.020*	P=0.020*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney: Renal Tubule Casts Granular						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	30%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.095
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.095
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.095
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P=0.025*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney: Renal Tubule Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)	(e)	(e)
POLY 6	(e)	(e)	P=0.091	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.413N	(e)	P=0.091	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Liver						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	3/10 (30%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/1.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	30%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.689N	(e)	(e)	P=0.678
POLY 1.5	(e)	(e)	P=0.689N	(e)	(e)	P=0.678
POLY 6	(e)	(e)	P=0.689N	(e)	(e)	P=0.678
COCH-ARM / FISHERS	P=0.556	(e)	P=0.727N	(e)	(e)	P=0.686N
MAX-ISO-POLY-3	(e)	(e)	P=0.328N	(e)	(e)	P=1.000

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lung						
Hemorrhage Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lung: Bronchiole Infiltration Cellular Focal Lymphocyte						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lymph Node: Mediastinal Congestion						
LESION RATES						
OVERALL (a)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/1.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lymph Node: Mediastinal Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%	0%
TERMINAL (d)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Nose: Respiratory Epithelium Hyperplasia Goblet Cell						
LESION RATES						
OVERALL (a)	2/10 (20%)	6/10 (60%)	1/10 (10%)	6/10 (60%)	4/10 (40%)	9/10 (90%)
POLY-3 RATE (b)	2/10.00	6/10.00	1/10.00	6/10.00	4/10.00	9/10.00
POLY-3 PERCENT (g)	20%	60%	10%	60%	40%	90%
TERMINAL (d)	2/10 (20%)	6/10 (60%)	1/10 (10%)	6/10 (60%)	4/10 (40%)	9/10 (90%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.077	P=0.500N	P=0.077	P=0.318	P<0.001**
POLY 1.5	P<0.001**	P=0.077	P=0.500N	P=0.077	P=0.318	P<0.001**
POLY 6	P<0.001**	P=0.077	P=0.500N	P=0.077	P=0.318	P<0.001**
COCH-ARM / FISHERS	P=0.003**	P=0.085	P=0.500N	P=0.085	P=0.314	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.029*	P=0.274N	P=0.029*	P=0.172	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Pancreas Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.227
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.227
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.132	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.066

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Pituitary Gland: Pars Distalis						
Hyperplasia Focal						
LESION RATES						
OVERALL (a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	0%	0%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.303N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Sebaceous Gland, Site of Application						
Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	3/9 (33%)	6/10 (60%)	10/10 (100%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	1/10.00	3/9.00	6/10.00	10/10.00	7/10.00
POLY-3 PERCENT (g)	0%	10%	33.3%	60%	100%	70%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	3/9 (33%)	6/10 (60%)	10/10 (100%)	7/10 (70%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500	P=0.074	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500	P=0.074	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500	P=0.074	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.087	P=0.005**	P<0.001**	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P=0.019*	P<0.001**	(e)	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application - Epidermis Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application - Epidermis						
Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	3/10 (30%)	6/9 (67%)	8/10 (80%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	3/10.00	6/9.00	8/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	30%	66.7%	80%	100%	100%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	6/9 (67%)	8/10 (80%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.095	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.095	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.095	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.105	P=0.003**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.025*	P<0.001**	P<0.001**	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Hyperkeratosis						
LESION RATES						
OVERALL (a)	1/10 (10%)	6/10 (60%)	7/9 (78%)	10/10 (100%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	1/10.00	6/10.00	7/9.00	10/10.00	10/10.00	9/10.00
POLY-3 PERCENT (g)	10%	60%	77.8%	100%	100%	90%
TERMINAL (d)	1/10 (10%)	6/10 (60%)	7/9 (78%)	10/10 (100%)	10/10 (100%)	9/10 (90%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.018*	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.018*	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.018*	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.029*	P=0.005**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.004**	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	3/10 (30%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	3/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	30%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	3/10 (30%)	4/10 (40%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.095	P=0.033*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.095	P=0.033*
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.095	P=0.033*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.105	P=0.043*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.025*	P=0.007**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	3/10.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	30%	30%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.095	P=0.095
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.095	P=0.095
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.095	P=0.095
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	(e)	P=0.105	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.025*	P=0.025*

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
<hr/>						
Skin: Site of Application						
Ulcer						
<hr/>						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<hr/>						
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Spleen Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Stomach, Forestomach Cyst Epithelial Inclusion						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Thymus Atrophy						
LESION RATES						
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	20%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.702
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.702
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.702
COCH-ARM / FISHERS	P=0.610	(e)	(e)	(e)	(e)	P=0.709N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Thyroid Gland						
Ectopic Thymus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Thyroid Gland						
Ectopic Thymus Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Tissue NOS: Abdominal, Fat Necrosis Focal						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Clitoral Gland Cyst						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.091	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.091	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.091	(e)
COCH-ARM / FISHERS	P=0.700	(e)	(e)	(e)	P=0.091	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Harderian Gland Infiltration Cellular						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Harderian Gland Infiltration Cellular Lymphocyte						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Heart: Artery						
Inflammation Chronic Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney Mineralization						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.074N	P=0.158N	P=0.158N	P=0.158N	P=0.158N	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL (a)	0/10 (0%)	2/10 (20%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	2/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	20%	20%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	93 (T)	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.152N	P=0.227	P=0.227	(e)	(e)	(e)
POLY 1.5	P=0.152N	P=0.227	P=0.227	(e)	(e)	(e)
POLY 6	P=0.152N	P=0.227	P=0.227	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.158N	P=0.237	P=0.237	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.201N	P=0.067	P=0.067	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney: Renal Tubule Casts Granular						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Kidney: Renal Tubule Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.697N	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.699N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.516	(e)	(e)	P=0.158	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/1 (100%)	2/2 (100%)	1/1 (100%)	1/1 (100%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/1.00	2/2.00	1/1.00	1/1.00	1/10.00
POLY-3 PERCENT (g)	10%	100%	100%	100%	100%	10%
TERMINAL (d)	1/10 (10%)	1/1 (100%)	2/2 (100%)	1/1 (100%)	1/1 (100%)	1/10 (10%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.138N	P=0.146	P=0.005**	P=0.146	P=0.146	P=0.760
POLY 1.5	P=0.138N	P=0.146	P=0.005**	P=0.146	P=0.146	P=0.760
POLY 6	P=0.138N	P=0.146	P=0.005**	P=0.146	P=0.146	P=0.760
COCH-ARM / FISHERS	P=0.227N	P=0.182	P=0.045*	P=0.182	P=0.182	P=0.763N
MAX-ISO-POLY-3	P=0.026*	P=0.022*	P=0.002**	P=0.022*	P=0.022*	P=1.000

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Liver						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/2.00	0/1.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lung						
Hemorrhage Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lung: Bronchiole Infiltration Cellular Focal Lymphocyte						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lymph Node: Mediastinal Congestion						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/2 (0%)	1/3 (33%)
POLY-3 RATE (b)	0/0.00	0/1.00	0/2.00	0/1.00	0/2.00	1/3.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	33.3%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/2 (0%)	1/3 (33%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.248	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lymph Node: Mediastinal Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	1/1 (100%)	2/2 (100%)	1/1 (100%)	2/2 (100%)	3/3 (100%)
POLY-3 RATE (b)	0/0.00	1/1.00	2/2.00	1/1.00	2/2.00	3/3.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%	100%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	2/2 (100%)	1/1 (100%)	2/2 (100%)	3/3 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Nose: Respiratory Epithelium Hyperplasia Goblet Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	8/10 (80%)	3/10 (30%)	3/10 (30%)	7/10 (70%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	8/10.00	3/10.00	3/10.00	7/10.00	5/10.00
POLY-3 PERCENT (g)	0%	80%	30%	30%	70%	50%
TERMINAL (d)	0/10 (0%)	8/10 (80%)	3/10 (30%)	3/10 (30%)	7/10 (70%)	5/10 (50%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.102	P<0.001**	P=0.095	P=0.095	P<0.001**	P=0.008**
POLY 1.5	P=0.102	P<0.001**	P=0.095	P=0.095	P<0.001**	P=0.008**
POLY 6	P=0.102	P<0.001**	P=0.095	P=0.095	P<0.001**	P=0.008**
COCH-ARM / FISHERS	P=0.131	P<0.001**	P=0.105	P=0.105	P=0.002**	P=0.016*
MAX-ISO-POLY-3	P=0.002**	P<0.001**	P=0.024*	P=0.024*	P<0.001**	P=0.002**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Pancreas						
Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Sebaceous Gland, Site of Application						
Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	5/10 (50%)	7/10 (70%)	4/10 (40%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	1/10.00	5/10.00	7/10.00	4/10.00	8/10.00
POLY-3 PERCENT (g)	0%	10%	50%	70%	40%	80%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	5/10 (50%)	7/10 (70%)	4/10 (40%)	8/10 (80%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500	P=0.008**	P<0.001**	P=0.033*	P<0.001**
POLY 1.5	P<0.001**	P=0.500	P=0.008**	P<0.001**	P=0.033*	P<0.001**
POLY 6	P<0.001**	P=0.500	P=0.008**	P<0.001**	P=0.033*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.016*	P=0.002**	P=0.043*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P=0.002**	P<0.001**	P=0.007**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application - Epidermis Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.086	(e)	(e)	(e)	P=0.227	P=0.500
POLY 1.5	P=0.086	(e)	(e)	(e)	P=0.227	P=0.500
POLY 6	P=0.086	(e)	(e)	(e)	P=0.227	P=0.500
COCH-ARM / FISHERS	P=0.089	(e)	(e)	(e)	P=0.237	P=0.500
MAX-ISO-POLY-3	P=0.107	(e)	(e)	(e)	P=0.067	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application - Epidermis						
Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	3/10 (30%)	3/10 (30%)	7/10 (70%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	3/10.00	3/10.00	7/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	30%	30%	70%	90%	100%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	3/10 (30%)	7/10 (70%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.095	P=0.095	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.095	P=0.095	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.095	P=0.095	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.105	P=0.105	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.024*	P=0.024*	P<0.001**	P<0.001**	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Hyperkeratosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	6/10 (60%)	6/10 (60%)	9/10 (90%)	8/10 (80%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	6/10.00	6/10.00	9/10.00	8/10.00	9/10.00
POLY-3 PERCENT (g)	0%	60%	60%	90%	80%	90%
TERMINAL (d)	0/10 (0%)	6/10 (60%)	6/10 (60%)	9/10 (90%)	8/10 (80%)	9/10 (90%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.005**	P=0.005**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 08/31/2016
 Time Report Requested: 09:09:36
 First Dose M/F: 12/10/01 / 12/11/01
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	6/10 (60%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	6/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	60%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	6/10 (60%)	4/10 (40%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P=0.033*
POLY 1.5	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P=0.033*
POLY 6	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P=0.033*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.500	P=0.005**	P=0.043*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.158	P<0.001**	P=0.007**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	4/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	40%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.006**	(e)	(e)	(e)	P=0.033*	P=0.227
POLY 1.5	P=0.006**	(e)	(e)	(e)	P=0.033*	P=0.227
POLY 6	P=0.006**	(e)	(e)	(e)	P=0.033*	P=0.227
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	(e)	P=0.043*	P=0.237
MAX-ISO-POLY-3	P=0.011*	(e)	(e)	(e)	P=0.007**	P=0.067

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: Site of Application						
Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.107	(e)	(e)	(e)	P=0.500	P=0.500
POLY 1.5	P=0.107	(e)	(e)	(e)	P=0.500	P=0.500
POLY 6	P=0.107	(e)	(e)	(e)	P=0.500	P=0.500
COCH-ARM / FISHERS	P=0.103	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.194	(e)	(e)	(e)	P=0.158	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Spleen Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Stomach, Forestomach Cyst Epithelial Inclusion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Thymus Atrophy						
LESION RATES						
OVERALL (a)	9/10 (90%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	9/10 (90%)
POLY-3 RATE (b)	9/10.00	0/0.00	0/0.00	0/0.00	0/1.00	9/10.00
POLY-3 PERCENT (g)	90%	0%	0%	0%	0%	90%
TERMINAL (d)	9/10 (90%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	9/10 (90%)
FIRST INCIDENCE	93 (T)	---	---	---	---	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.146N	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	P=0.146N	P=0.760
POLY 6	(e)	(e)	(e)	(e)	P=0.146N	P=0.760
COCH-ARM / FISHERS	P=0.625	(e)	(e)	(e)	P=0.182N	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.022N*	P=1.000

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Thyroid Gland						
Ectopic Thymus						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Thyroid Gland						
Ectopic Thymus Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Tissue NOS: Abdominal, Fat						
Necrosis Focal						
LESION RATES						
OVERALL (a)	1/1 (100%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	1/1.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	100%	100%	0%	0%	0%	0%
TERMINAL (d)	1/1 (100%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	93 (T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	VEHICLE CONTROL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Uterus Dilatation						
LESION RATES						
OVERALL (a)	1/10 (10%)	3/10 (30%)	6/10 (60%)	2/10 (20%)	3/10 (30%)	6/10 (60%)
POLY-3 RATE (b)	1/10.00	3/10.00	6/10.00	2/10.00	3/10.00	6/10.00
POLY-3 PERCENT (g)	10%	30%	60%	20%	30%	60%
TERMINAL (d)	1/10 (10%)	3/10 (30%)	6/10 (60%)	2/10 (20%)	3/10 (30%)	6/10 (60%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.060	P=0.292	P=0.018*	P=0.500	P=0.292	P=0.018*
POLY 1.5	P=0.060	P=0.292	P=0.018*	P=0.500	P=0.292	P=0.018*
POLY 6	P=0.060	P=0.292	P=0.018*	P=0.500	P=0.292	P=0.018*
COCH-ARM / FISHERS	P=0.066	P=0.291	P=0.029*	P=0.500	P=0.291	P=0.029*
MAX-ISO-POLY-3	P=0.013*	P=0.135	P=0.005**	P=0.274	P=0.135	P=0.005**

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***