

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:25

First Dose M/F: NA / NA

Lab: MBA

C Number:	C95003
Lock Date:	01/08/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF METHYL TRANS-STYRYL KETONE

MALE RAT

Organ

Kidney

Kidney: Renal Tubule

Liver

Nose: Respirat Epith

Skin: SOA

Skin: SOA Epidermis

Skin: SOA, Sebaceous GI

FEMALE RAT

Organ

Clitoral Gland

Liver

Nose: Respirat Epith

Skin: SOA

Skin: SOA Epidermis

Skin: SOA, Sebaceous GI

Thymus

Uterus

Morphology

Nephropathy

Casts Granular

Hepatodiaphragmatic Nodule

Hyperplasia Goblet Cell

Hyperkeratosis

Necrosis

Inflammation Chronic

Hyperplasia

Hypertrophy

Morphology

Cyst

Hepatodiaphragmatic Nodule

Hyperplasia Goblet Cell

Inflammation Chronic

Hyperkeratosis

Necrosis

Hyperplasia

Hypertrophy

Atrophy

Dilatation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone
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 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:25

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.033*	P=0.334	P=0.080	P=0.080	P=0.020*	P=0.020*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 CAS Number: 1896-62-4

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	(e)	(e)	(e)	(e)	P=0.095
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.095
POLY 6	P=0.000**	(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*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
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 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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=1	(e)	(e)	(e)
POLY 1.5	(e)	(e)	P=1	(e)	(e)	(e)
POLY 6	(e)	(e)	P=1	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.413N	(e)	P=0.091	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.000**	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.330N	(e)	(e)	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

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Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lung: Bronchiole						
Infiltration Cellular Lymphocyte 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:25

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Nose: Respirat Epith 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**
POLY 1.5	P<0.001**	P=0.077	P=0.500N	P=0.077	P=0.318	P=0.000**
POLY 6	P<0.001**	P=0.077	P=0.500N	P=0.077	P=0.318	P=0.000**
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=0.000**	P=0.029*	P=0.274N	P=0.029*	P=0.172	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.067
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:25
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P=0.018*	P<0.001**	P=0.000**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.018*	P<0.001**	P=0.000**	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.018*	P<0.001**	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.002**	P=0.029*	P=0.005**	P=0.000**	P=0.000**	P<0.001**
MAX-ISO-POLY-3	P=0.000**	P=0.005**	P=0.000**	P=0.000**	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	(e)	(e)	(e)	P=0.095	P=0.033*
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.095	P=0.033*
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.095	P=0.033*
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.105	P=0.043*
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.025*	P=0.007**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.002**	(e)	(e)	(e)	P=0.025*	P=0.025*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
Ulcer						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P=0.095	P=0.000**	P=0.000**	P=1	P=1
POLY 1.5	P=0.000**	P=0.095	P=0.000**	P=0.000**	P=1	P=1
POLY 6	P=0.000**	P=0.095	P=0.000**	P=0.000**	P=1	P=1
COCH-ARM / FISHERS	P=0.000**	P=0.105	P=0.003**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.025*	P=0.000**	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTEs						
CURR VS HC SAME RTE						
CURR VS HC ALL RTEs						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA, Sebaceous Gland 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P=0.500	P=0.074	P<0.001**	P=1	P=0.000**
POLY 1.5	P=0.000**	P=0.500	P=0.074	P<0.001**	P=1	P=0.000**
POLY 6	P=0.000**	P=0.500	P=0.074	P<0.001**	P=1	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.500	P=0.087	P=0.005**	P=0.000**	P=0.002**
MAX-ISO-POLY-3	P=0.000**	P=0.159	P=0.020*	P=0.000**	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTEs						
CURR VS HC SAME RTE						
CURR VS HC ALL RTEs						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	MALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=1	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=1	(e)
POLY 6	(e)	(e)	(e)	(e)	P=1	(e)
COCH-ARM / FISHERS	P=0.700	(e)	(e)	(e)	P=0.091	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.075N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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=0.202N	P=0.067	P=0.067	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.514	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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<0.001**	P=0.022*	P=0.022*	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Lung: Bronchiole						
Infiltration Cellular Lymphocyte 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Nose: Respirat Epith						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P=0.095	P=0.095	P=0.000**	P=0.008**
POLY 1.5	P=0.102	P=0.000**	P=0.095	P=0.095	P=0.000**	P=0.008**
POLY 6	P=0.102	P=0.000**	P=0.095	P=0.095	P=0.000**	P=0.008**
COCH-ARM / FISHERS	P=0.131	P=0.000**	P=0.105	P=0.105	P=0.002**	P=0.016*
MAX-ISO-POLY-3	P=0.002**	P=0.000**	P=0.025*	P=0.025*	P=0.000**	P<0.001**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P<0.001**	P<0.001**	P=0.000**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P<0.001**	P<0.001**	P=0.000**	P=0.000**	P=0.000**
POLY 6	P=0.000**	P<0.001**	P<0.001**	P=0.000**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P<0.001**	P=0.005**	P=0.005**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.000**	P=0.000**	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	(e)	(e)	P=0.500	P<0.001**	P=0.033*
POLY 1.5	P=0.000**	(e)	(e)	P=0.500	P<0.001**	P=0.033*
POLY 6	P=0.000**	(e)	(e)	P=0.500	P<0.001**	P=0.033*
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.500	P=0.005**	P=0.043*
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.159	P=0.000**	P=0.007**
HISTCONT SAME RTE						
HISTCONT ALL RTEs						
CURR VS HC SAME RTE						
CURR VS HC ALL RTEs						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA						
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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.195	(e)	(e)	(e)	P=0.159	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P=0.095	P=0.095	P=0.000**	P=0.000**	P=1
POLY 1.5	P=0.000**	P=0.095	P=0.095	P=0.000**	P=0.000**	P=1
POLY 6	P=0.000**	P=0.095	P=0.095	P=0.000**	P=0.000**	P=1
COCH-ARM / FISHERS	P=0.000**	P=0.105	P=0.105	P=0.002**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.025*	P=0.025*	P=0.000**	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	22.0 MG/KG	44.0 MG/KG	87.5 MG/KG	175 MG/KG	350 MG/KG
Skin: SOA, Sebaceous Gland 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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.000**	P=0.500	P=0.008**	P=0.000**	P=0.033*	P=0.000**
POLY 1.5	P=0.000**	P=0.500	P=0.008**	P=0.000**	P=0.033*	P=0.000**
POLY 6	P=0.000**	P=0.500	P=0.008**	P=0.000**	P=0.033*	P=0.000**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.016*	P=0.002**	P=0.043*	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.159	P<0.001**	P=0.000**	P=0.007**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:26

First Dose M/F: NA / NA

Lab: MBA

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 4 WEEKS

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 07:35:26
 First Dose M/F: NA / NA
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 4 WEEKS**

DOSE	FEMALE					
	CONTROL SPECIAL	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%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
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=0.138	P=0.005**	P=0.274	P=0.138	P=0.005**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
Time Report Requested: 07:35:26
First Dose M/F: NA / NA
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 ****