

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** Methyl trans-styryl ketone

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 21:20:15

**First Dose M/F:** NA / NA

**Lab:** MBA

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

**Experiment Number:** 95003-04

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**Lab:** MBA

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

**MALE MOUSE**

**Organ**

Nose: Olfactory Epi

Skin: Hair Follicle, SOA

Skin: SOA

Skin: SOA Epidermis

Skin: SOA, Sebaceous GI

Spleen

Thymus

**FEMALE MOUSE**

**Organ**

Adrenal Cortex: Subcapsular

Nose: Olfactory Epi

Skin: Hair Follicle, SOA

Skin: SOA

Skin: SOA Epidermis

Skin: SOA, Sebaceous GI

Uterus: Endometrium

**Morphology**

Atrophy

Hyperplasia

Inflammation Chronic

Hyperkeratosis

Necrosis

Ulcer

Hyperplasia

Hypertrophy

Hematopoietic Cell Proliferation

Atrophy

**Morphology**

Hyperplasia Focal

Atrophy

Hyperplasia

Hyperkeratosis

Inflammation Chronic

Necrosis

Hyperplasia

Hypertrophy

Hyperplasia Cystic

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Methyl trans-styryl ketone  
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Date Report Requested: 10/18/2014  
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 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Adrenal Cortex</b>						
<b>Accessory Adrenal Cortical Nodule</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.12	1/1.10
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	90.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	21
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.246
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.271
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.196	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.137
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Adrenal Cortex: Subcapsular Hyperplasia Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Kidney</b>						
<b>Infiltration Cellular</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Lung</b>						
<b>Hemorrhage Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.12	1/1.10
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	90.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	21
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.246
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.271
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.196	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.137
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Lung: Alveolus</b>						
<b>Inflammation Chronic Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Lung: Bronchiole</b>						
<b>Inflammation Acute Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Nose: Olfactory Epi Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	8/10 (80%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	3/10.00	8/8.02	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	30%	99.8%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	92(T)	21	6
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	P=0.095	P=0.000**	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=0.095	P=0.000**	P=NA
POLY 6	P=0.000**	(e)	(e)	P=0.095	P=0.000**	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.105	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.025*	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 95003-04  
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 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Nose: Olfactory Epi Degeneration Focal</b>						
<b>LESION RATES</b>						
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	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Methyl trans-styryl ketone  
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Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skeletal Muscle</b>						
<b>Necrosis Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	---	---	---	21(T)
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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 CAS Number: 1896-62-4

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 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: Hair Follicle, SOA</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	9/10 (90%)	9/10 (90%)	10/10 (100%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	9/10.00	9/10.00	10/10.00	10/10.00	9/9.01
POLY-3 PERCENT (g)	0%	90%	90%	100%	100%	99.9%
TERMINAL (d)	0/10 (0%)	9/10 (90%)	9/10 (90%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	21	6
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.000**	P=0.000**	P=NA	P=NA	P=0.000**
POLY 1.5	P=0.000**	P=0.000**	P=0.000**	P=NA	P=NA	P=0.000**
POLY 6	P=0.000**	P=0.000**	P=0.000**	P=NA	P=NA	P=0.000**
COCH-ARM / FISHERS	P=0.006**	P=0.000**	P=0.000**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.000**	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Methyl trans-styryl ketone  
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Date Report Requested: 10/18/2014  
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 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Hyperkeratosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	9/10 (90%)	4/10 (40%)	8/10 (80%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	9/10.00	4/10.00	8/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	90%	40%	80%	100%	100%
TERMINAL (d)	0/10 (0%)	9/10 (90%)	4/10 (40%)	8/10 (80%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	21	6
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.000**	P=0.033*	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	P=0.000**	P=0.033*	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	P=0.000**	P=0.033*	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	P=0.000**	P=0.043*	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.007**	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	10/10 (100%)	9/10 (90%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	9/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%	90%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	9/10 (90%)	9/10 (90%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	21	6
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=NA	P=0.000**	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	P=NA	P=0.000**	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	P=NA	P=0.000**	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P<0.001**	P=0.000**	P=0.000**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Necrosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00	6/6.04
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	99.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	21	21
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	(e)	P=NA	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=NA	P=0.000**
POLY 6	P=0.000**	(e)	(e)	(e)	P=NA	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Ulcer</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	1/1.11	3/3.07
POLY-3 PERCENT (g)	0%	10%	0%	0%	90.1%	97.7%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	---	---	21	21
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.005**	P=0.500	(e)	(e)	P=0.246	P=0.004**
POLY 1.5	P=0.003**	P=0.500	(e)	(e)	P=0.274	P=0.006**
POLY 6	P=0.006**	P=0.500	(e)	(e)	P=0.243	P=0.003**
COCH-ARM / FISHERS	P=0.010**	P=0.500	(e)	(e)	P=0.500	P=0.105
MAX-ISO-POLY-3	P=0.006**	P=0.159	(e)	(e)	P=0.137	P=0.006**
<b>HISTCONT SAME RTE</b>						
<b>HISTCONT ALL RTES</b>						
<b>CURR VS HC SAME RTE</b>						
<b>CURR VS HC ALL RTES</b>						



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA Epidermis</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	10/10 (100%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	7/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%	70%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	7/10 (70%)	9/10 (90%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	21	6
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=NA	P=0.000**	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	P=NA	P=0.000**	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	P=NA	P=0.000**	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P<0.001**	P=0.000**	P=0.002**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA, Sebaceous Gland Hypertrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	5/10 (50%)	9/10 (90%)	10/10 (100%)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	5/10.00	9/10.00	10/10.00	10/10.00	8/8.02
POLY-3 PERCENT (g)	0%	50%	90%	100%	100%	99.8%
TERMINAL (d)	0/10 (0%)	5/10 (50%)	9/10 (90%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	21	6
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.008**	P=0.000**	P=NA	P=NA	P=0.000**
POLY 1.5	P=0.000**	P=0.008**	P=0.000**	P=NA	P=NA	P=0.000**
POLY 6	P=0.000**	P=0.008**	P=0.000**	P=NA	P=NA	P=0.000**
COCH-ARM / FISHERS	P=0.005**	P=0.016*	P=0.000**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P<0.001**	P=0.000**	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Spleen</b>						
<b>Hematopoietic Cell Proliferation</b>						
<b>LESION RATES</b>						
OVERALL(a)	6/10 (60%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	9/10 (90%)	6/9 (67%)
POLY-3 RATE (b)	6/10.00	0/0.00	0/0.00	4/10.00	9/9.01	6/6.04
POLY-3 PERCENT (g)	60%	0%	0%	40%	99.9%	99.3%
TERMINAL (d)	6/10 (60%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	92(T)	21	21
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.333N	P=0.046*	P=0.125
POLY 1.5	(e)	(e)	(e)	P=0.333N	P=0.052	P=0.164
POLY 6	(e)	(e)	(e)	P=0.333N	P=0.045*	P=0.121
COCH-ARM / FISHERS	P=0.268	(e)	(e)	P=0.328N	P=0.152	P=0.570
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.194N	P=0.015*	P=0.074
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Thymus Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	4/10.00	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	40%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	92(T)	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.033*	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.033*	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.033*	(e)	(e)
COCH-ARM / FISHERS	P=0.260N	(e)	(e)	P=0.043*	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.007**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Thymus</b>						
<b>Atrophy Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.12	0/0.11
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Thyroid Gland</b>						
<b>Ectopic Thymus</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/0.12	1/1.10
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	90.9%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	21
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.758N	P=0.358
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.734N	P=0.409
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.760N	P=0.352
COCH-ARM / FISHERS	P=0.597	(e)	(e)	P=0.500N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.496N	P=0.246
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Adrenal Cortex</b>						
<b>Accessory Adrenal Cortical Nodule</b>						
<b>LESION RATES</b>						
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	0/0.10	0/0.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Adrenal Cortex: Subcapsular Hyperplasia Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	10/10 (100%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	8/10 (80%)	7/10 (70%)
POLY-3 RATE (b)	10/10.00	0/10.00	0/10.00	10/10.00	8/8.02	7/7.02
POLY-3 PERCENT (g)	100%	0%	0%	100%	99.8%	99.7%
TERMINAL (d)	10/10 (100%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	92(T)	20	20
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=NA	P=NA	(e)	P=1.000N	P=1.000N
POLY 1.5	P=0.000**	P=NA	P=NA	(e)	P=1.000N	P=1.000N
POLY 6	P=0.000**	P=NA	P=NA	(e)	P=1.000N	P=1.000N
COCH-ARM / FISHERS	P=0.069	P=0.000N**	P=0.000N**	(e)	P=0.237N	P=0.105N
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.089N	P=0.086N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Kidney</b>						
<b>Infiltration Cellular</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	0/0.10	0/0.09
POLY-3 PERCENT (g)	0%	0%	10%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	92(T)	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.733	(e)	P=0.500	(e)	(e)	(e)
POLY 1.5	P=0.723	(e)	P=0.500	(e)	(e)	(e)
POLY 6	P=0.733	(e)	P=0.500	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.561N	(e)	P=0.500	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.829	(e)	P=0.159	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Lung</b>						
<b>Hemorrhage Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/0.10	0/0.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Lung: Alveolus</b>						
<b>Inflammation Chronic Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/0.10	1/1.08
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	92.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	92(T)	---	20
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	P=0.246
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	P=0.269
POLY 6	(e)	(e)	(e)	P=0.500	(e)	P=0.243
COCH-ARM / FISHERS	P=0.403	(e)	(e)	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	P=0.137
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Lung: Bronchiole Inflammation Acute Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/0.10	0/0.09
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.758N	P=0.758N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.739N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.760N	P=0.760N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.496N	P=0.497N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Nose: Olfactory Epi Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	9/10 (90%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	4/10.00	9/9.01	6/6.03
POLY-3 PERCENT (g)	0%	0%	0%	40%	99.9%	99.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	92(T)	20	20
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	P=0.033*	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	P=0.033*	P=0.000**	P=0.000**
POLY 6	P=0.000**	(e)	(e)	P=0.033*	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.043*	P=0.000**	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.007**	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Nose: Olfactory Epi Degeneration Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/0.10	1/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	91.7%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	5
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.339	(e)	(e)	(e)	(e)	P=0.246
POLY 1.5	P=0.154	(e)	(e)	(e)	(e)	P=0.272
POLY 6	P=0.373	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.068	(e)	(e)	(e)	(e)	P=0.137
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skeletal Muscle</b>						
<b>Necrosis Focal</b>						
<b>LESION RATES</b>						
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	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: Hair Follicle, SOA</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	3/10 (30%)	4/10 (40%)	10/10 (100%)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	3/10.00	4/10.00	10/10.00	10/10.00	8/8.01
POLY-3 PERCENT (g)	0%	30%	40%	100%	100%	99.9%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	4/10 (40%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	20	20
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.095	P=0.033*	P=NA	P=NA	P=0.000**
POLY 1.5	P=0.000**	P=0.095	P=0.033*	P=NA	P=NA	P=0.000**
POLY 6	P=0.000**	P=0.095	P=0.033*	P=NA	P=NA	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.105	P=0.043*	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.025*	P=0.007**	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Hyperkeratosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	20%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	9/10 (90%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	92(T)	92(T)	20	5
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	P=0.227	P=0.000**	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	P=0.227	P=0.000**	P=NA	P=NA
POLY 6	P=0.000**	(e)	P=0.227	P=0.000**	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.237	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.067	P=0.000**	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	10/10 (100%)	6/10 (60%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	6/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%	60%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	6/10 (60%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	20	5
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=NA	P<0.001**	P=NA	P=NA	P=NA
POLY 1.5	P=0.000**	P=NA	P<0.001**	P=NA	P=NA	P=NA
POLY 6	P=0.000**	P=NA	P<0.001**	P=NA	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	P=0.000**	P=0.005**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Necrosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	9/9.01	6/6.03
POLY-3 PERCENT (g)	0%	0%	0%	0%	99.9%	99.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	20	20
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA</b>						
<b>Ulcer</b>						
<b>LESION RATES</b>						
<b>OVERALL(a)</b>	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00	0/10.00	0/10.00	1/1.09	0/0.09
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%	0%	91.7%	0%
<b>TERMINAL (d)</b>	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	---	---	---	---	20	---
<b>STATISTICAL TESTS</b>						
<b>POLY 3</b>	P=0.604	(e)	(e)	(e)	P=0.246	(e)
<b>POLY 1.5</b>	P=0.448	(e)	(e)	(e)	P=0.272	(e)
<b>POLY 6</b>	P=0.623	(e)	(e)	(e)	P=0.243	(e)
<b>COCH-ARM / FISHERS</b>	P=0.585	(e)	(e)	(e)	P=0.500	(e)
<b>MAX-ISO-POLY-3</b>	P=0.766	(e)	(e)	(e)	P=0.137	(e)
<b>HISTCONT SAME RTE</b>						
<b>HISTCONT ALL RTES</b>						
<b>CURR VS HC SAME RTE</b>						
<b>CURR VS HC ALL RTES</b>						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA Epidermis</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	7/10 (70%)	4/10 (40%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	7/10.00	4/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	70%	40%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	7/10 (70%)	4/10 (40%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	20	5
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.000**	P=0.033*	P=NA	P=NA	P=NA
POLY 1.5	P=0.000**	P=0.000**	P=0.033*	P=NA	P=NA	P=NA
POLY 6	P=0.000**	P=0.000**	P=0.033*	P=NA	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	P=0.002**	P=0.043*	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.000**	P=0.007**	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTEs						
CURR VS HC SAME RTE						
CURR VS HC ALL RTEs						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Skin: SOA, Sebaceous Gland Hypertrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	5/10 (50%)	8/10 (80%)	10/10 (100%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	5/10.00	8/10.00	10/10.00	10/10.00	9/9.00
POLY-3 PERCENT (g)	0%	50%	80%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	5/10 (50%)	8/10 (80%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92(T)	92(T)	92(T)	20	20
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	P=0.008**	P=0.000**	P=NA	P=NA	P=0.000**
POLY 1.5	P=0.000**	P=0.008**	P=0.000**	P=NA	P=NA	P=0.000**
POLY 6	P=0.000**	P=0.008**	P=0.000**	P=NA	P=NA	P=0.000**
COCH-ARM / FISHERS	P<0.001**	P=0.016*	P=0.000**	P=0.000**	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P<0.001**	P=0.000**	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Spleen</b>						
<b>Hematopoietic Cell Proliferation</b>						
<b>LESION RATES</b>						
OVERALL(a)	6/10 (60%)	0/0 (0%)	0/0 (0%)	6/10 (60%)	6/10 (60%)	4/9 (44%)
POLY-3 RATE (b)	6/10.00	0/0.00	0/0.00	6/10.00	6/6.04	4/4.05
POLY-3 PERCENT (g)	60%	0%	0%	60%	99.3%	98.8%
TERMINAL (d)	6/10 (60%)	0/0 (0%)	0/0 (0%)	6/10 (60%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	92(T)	20	20
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.667	P=0.129	P=0.248
POLY 1.5	(e)	(e)	(e)	P=0.667	P=0.178	P=0.334
POLY 6	(e)	(e)	(e)	P=0.667	P=0.125	P=0.239
COCH-ARM / FISHERS	P=0.310N	(e)	(e)	P=0.675N	P=0.675N	P=0.414N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=1.000	P=0.080	P=0.172
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Thymus Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	2/10.00	0/0.10	0/0.09
POLY-3 PERCENT (g)	0%	0%	0%	20%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	92(T)	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.227	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.227	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.227	(e)	(e)
COCH-ARM / FISHERS	P=0.424N	(e)	(e)	P=0.237	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.067	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Thymus</b>						
<b>Atrophy Focal</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/0.10	0/0.09
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	92(T)	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.585N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(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: 95003-04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Thyroid Gland</b>						
<b>Ectopic Thymus</b>						
<b>LESION RATES</b>						
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/10.00	0/0.10	0/0.08
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.227N	P=0.696N	P=0.707N
POLY 1.5	(e)	(e)	(e)	P=0.227N	P=0.643N	P=0.663N
POLY 6	(e)	(e)	(e)	P=0.227N	P=0.702N	P=0.712N
COCH-ARM / FISHERS	P=0.124N	(e)	(e)	P=0.237N	P=0.237N	P=0.294N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.067N	P=0.494N	P=0.495N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

Date Report Requested: 10/18/2014  
 Time Report Requested: 21:20:15  
 First Dose M/F: NA / NA  
 Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 3 WEEKS**

DOSE	FEMALE					
	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
<b>Uterus: Endometrium</b>						
<b>Hyperplasia Cystic</b>						
<b>LESION RATES</b>						
<b>OVERALL(a)</b>	10/10 (100%)	9/9 (100%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	2/9 (22%)
<b>POLY-3 RATE (b)</b>	10/10.00	9/9.00	10/10.00	10/10.00	7/7.03	2/2.07
<b>POLY-3 PERCENT (g)</b>	100%	100%	100%	100%	99.6%	96.6%
<b>TERMINAL (d)</b>	10/10 (100%)	9/9 (100%)	10/10 (100%)	10/10 (100%)	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	92(T)	92(T)	92(T)	92(T)	20	20
<b>STATISTICAL TESTS</b>						
<b>POLY 3</b>	P=1.000N	(e)	(e)	(e)	P=1.000N	P=1.000N
<b>POLY 1.5</b>	P=0.000N**	(e)	(e)	(e)	P=1.000N	P=0.302N
<b>POLY 6</b>	P=1.000N	(e)	(e)	(e)	P=1.000N	P=1.000N
<b>COCH-ARM / FISHERS</b>	P=0.000N**	(e)	(e)	(e)	P=0.105N	P=0.001N**
<b>MAX-ISO-POLY-3</b>	P=0.000N**	(e)	(e)	(e)	P=0.047N*	P=0.000N**
<b>HISTCONT SAME RTE</b>						
<b>HISTCONT ALL RTES</b>						
<b>CURR VS HC SAME RTE</b>						
<b>CURR VS HC ALL RTES</b>						

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 21:20:15  
**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 \*\***