

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

F#2_R2

C Number: C95003
Lock Date: 01/29/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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HISTORICAL CONTROL STUDIES
From May 2009 report

SAME ROUTE

99028-05 -- bis(2-Chloroethoxy)methane (SKIN ETHANOL)
97003-07 -- 1,2-Dibromo-2,4-dicyanobutane (SKIN ETHANOL)
93020-07 -- Diisopropylcarbodiimide (SKIN ETHANOL)

ALL ROUTES

99024-07 -- Androstenedione (GAVAGE METHYLCELLULOSE)
99028-05 -- bis(2-Chloroethoxy)methane (SKIN ETHANOL)
20011-05 -- 1-Bromopropane (INHALATION AIR)
99027-03 -- Chromium picolinate monohydrate (ORAL FEED)
05174-05 -- Cresols (ORAL FEED)
96011-05 -- Cumene (INHALATION AIR)
97003-07 -- 1,2-Dibromo-2,4-dicyanobutane (SKIN ETHANOL)
99017-05 -- Diethylamine (INHALATION AIR)
93020-07 -- Diisopropylcarbodiimide (SKIN ETHANOL)
88123-05 -- Formamide (GAVAGE WATER)
20005-05 -- Ginseng (GAVAGE WATER)
99007-05 -- Goldenseal root powder (ORAL FEED)
95011-07 -- 5-(Hydroxymethyl)-2-furfural (GAVAGE WATER)
88105-03 -- Isoeugenol (GAVAGE CORN OIL)
20007-05 -- Kava kava extract (GAVAGE CORN OIL)
97006-01 -- Methyl isobutyl ketone (INHALATION AIR)
91005-07 -- Methylene blue trihydrate (GAVAGE METHYLCELLULOSE)
92013-05 -- 4-Methylimidazole (ORAL FEED)
88006-03 -- alpha-Methylstyrene (INHALATION AIR)
20008-03 -- Milk thistle extract (ORAL FEED)
99023-03 -- beta-Myrcene (GAVAGE CORN OIL)
97008-05 -- Propargyl alcohol (INHALATION AIR)
99020-05 -- Pulegone (GAVAGE CORN OIL)
20114-07 -- Sodium dichromate dihydrate (VI) (ORAL WATER)

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HISTORICAL CONTROL STUDIES

From May 2009 report

93025-07 -- Tetralin (INHALATION AIR)

96019-05 -- Water disinfection byproducts (Bromochloroacetic acid) (ORAL WATER)

96017-05 -- Water disinfection byproducts (Dibromoacetic acid) (ORAL WATER)

96015-05 -- Water disinfection byproducts (Dibromoacetonitrile) (ORAL WATER)

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Clitoral/Preputial Gland
Islets, Pancreatic
Kidney
Liver
Lung
Pituitary Gland
Prostate
Testes
Thymus
Thyroid Gland

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

MALE RATS

Organ

Clitoral/Preputial Gland

Islets, Pancreatic

Skin

Thyroid Gland: C-Cell

All Organs

FEMALE RATS

Organ

Adrenal Cortex

Clitoral/Preputial Gland

Islets, Pancreatic

Pituitary Gland: Pars Distalis or Unspecified Site

Skin

Uterus

All Organs

Morphology

Carcinoma

Carcinoma or Adenoma

Adenoma

Carcinoma or Adenoma

Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma

Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma

Fibroma

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

Fibrosarcoma

Schwannoma Malignant

Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma

Adenoma

Carcinoma or Adenoma

Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated

Morphology

Adenoma

Carcinoma or Adenoma

Adenoma

Carcinoma or Adenoma

Adenoma

Fibroma

Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

Polyp Stromal

Sarcoma Stromal or Polyp Stromal

Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated

Benign Tumors

Malignant and Benign Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	1/42.65	1/40.71	1/44.08
POLY-3 PERCENT (g)	0%	2.3%	2.5%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	659	704	633
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	15/1397 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.497	P=0.500	P=0.491	P=0.507
POLY 1.5	P=0.492	P=0.499	P=0.495	P=0.504
POLY 6	P=0.505	P=0.505	P=0.485	P=0.512
COCH-ARM / FISHERS	P=0.483	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.334	P=0.159	P=0.158	P=0.167
HISTCONT SAME RTE	P=0.421	P=0.212	P=0.211	P=0.223
HISTCONT ALL RTEs	P=0.388	P=0.188	P=0.188	P=0.199

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	11/49 (22%)	11/50 (22%)	14/50 (28%)	9/50 (18%)
POLY-3 RATE (b)	11/42.99	11/42.63	14/41.46	9/44.02
POLY-3 PERCENT (g)	25.6%	25.8%	33.8%	20.4%
TERMINAL (d)	5/27 (19%)	9/30 (30%)	7/22 (32%)	6/30 (20%)
FIRST INCIDENCE	616	667	667	694
HC TUMORS SAME ROUTE	11/150 (7%)			
HC TUMORS ALL ROUTES	197/1395 (14%)			
STATISTICAL TESTS				
POLY 3	P=0.288N	P=0.589	P=0.277	P=0.376N
POLY 1.5	P=0.295N	P=0.595	P=0.307	P=0.378N
POLY 6	P=0.281N	P=0.586	P=0.237	P=0.375N
COCH-ARM / FISHERS	P=0.314N	P=0.574N	P=0.343	P=0.382N
MAX-ISO-POLY-3	P=0.323N	P=0.490	P=0.208	P=0.286N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.01	2/42.38	1/40.63	0/43.73
POLY-3 PERCENT (g)	0%	4.7%	2.5%	0%
TERMINAL (d)	0/27 (0%)	2/30 (7%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	724	---
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	27/1395 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.376N	P=0.239	P=0.493	(e)
POLY 1.5	P=0.379N	P=0.239	P=0.498	(e)
POLY 6	P=0.370N	P=0.241	P=0.486	(e)
COCH-ARM / FISHERS	P=0.382N	P=0.253	P=0.505	(e)
MAX-ISO-POLY-3	P=0.327N	P=0.077	P=0.160	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	11/49 (22%)	13/50 (26%)	15/50 (30%)	9/50 (18%)
POLY-3 RATE (b)	11/42.99	13/42.63	15/41.48	9/44.02
POLY-3 PERCENT (g)	25.6%	30.5%	36.2%	20.4%
TERMINAL (d)	5/27 (19%)	11/30 (37%)	7/22 (32%)	6/30 (20%)
FIRST INCIDENCE	616	667	667	694
HC TUMORS SAME ROUTE	14/150 (9%)			
HC TUMORS ALL ROUTES	227/1395 (16%)			
STATISTICAL TESTS				
POLY 3	P=0.216N	P=0.395	P=0.204	P=0.376N
POLY 1.5	P=0.223N	P=0.404	P=0.231	P=0.378N
POLY 6	P=0.208N	P=0.388	P=0.167	P=0.375N
COCH-ARM / FISHERS	P=0.242N	P=0.430	P=0.266	P=0.382N
MAX-ISO-POLY-3	P=0.227N	P=0.307	P=0.147	P=0.286N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral/Preputial Gland Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.80	1/42.38	0/39.61	1/43.73
POLY-3 PERCENT (g)	2.3%	2.4%	0%	2.3%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/21 (0%)	1/30 (3%)
FIRST INCIDENCE	659	729 (T)	---	729 (T)
HC TUMORS SAME ROUTE	5/150 (3%)			
HC TUMORS ALL ROUTES	53/1396 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.682	P=0.759	P=0.515N	P=0.756N
POLY 1.5	P=0.680	P=0.758	P=0.510N	P=0.758N
POLY 6	P=0.685	P=0.761N	P=0.524N	P=0.753N
COCH-ARM / FISHERS	P=0.676	P=0.753N	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.545N	P=0.496	P=0.176N	P=0.493N
HISTCONT SAME RTE	P=0.757	P=0.644	(e)	P=1.000
HISTCONT ALL RTEs	P=0.740	P=0.626	(e)	P=1.000

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral/Preputial Gland Carcinoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/42.54	2/42.88	0/39.61	1/43.73
POLY-3 PERCENT (g)	7.1%	4.7%	0%	2.3%
TERMINAL (d)	3/27 (11%)	0/30 (0%)	0/21 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	659	---	729 (T)
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	20/1396 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.250N	P=0.496N	P=0.131N	P=0.295N
POLY 1.5	P=0.252N	P=0.501N	P=0.127N	P=0.300N
POLY 6	P=0.247N	P=0.484N	P=0.138N	P=0.288N
COCH-ARM / FISHERS	P=0.257N	P=0.500N	P=0.125N	P=0.309N
MAX-ISO-POLY-3	P=0.116N	P=0.321N	P=0.048N*	P=0.150N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral/Preputial Gland Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	4/42.80	3/42.88	0/39.61	2/43.73
POLY-3 PERCENT (g)	9.3%	7%	0%	4.6%
TERMINAL (d)	3/27 (11%)	1/30 (3%)	0/21 (0%)	2/30 (7%)
FIRST INCIDENCE	659	659	---	729 (T)
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	71/1396 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.294N	P=0.499N	P=0.070N	P=0.327N
POLY 1.5	P=0.297N	P=0.503N	P=0.067N	P=0.331N
POLY 6	P=0.291N	P=0.488N	P=0.075N	P=0.320N
COCH-ARM / FISHERS	P=0.304N	P=0.500N	P=0.061N	P=0.339N
MAX-ISO-POLY-3	P=0.120N	P=0.346N	P=0.027N*	P=0.195N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	0/1398 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	5/49 (10%)	16/50 (32%)	7/49 (14%)	12/50 (24%)
POLY-3 RATE (b)	5/42.26	16/43.05	7/40.74	12/44.49
POLY-3 PERCENT (g)	11.8%	37.2%	17.2%	27%
TERMINAL (d)	4/27 (15%)	13/30 (43%)	4/22 (18%)	9/30 (30%)
FIRST INCIDENCE	653	667	554	658
HC TUMORS SAME ROUTE	14/150 (9%)			
HC TUMORS ALL ROUTES	90/1394 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.311	P=0.005**	P=0.352	P=0.063
POLY 1.5	P=0.298	P=0.005**	P=0.364	P=0.061
POLY 6	P=0.333	P=0.005**	P=0.333	P=0.068
COCH-ARM / FISHERS	P=0.284	P=0.007**	P=0.380	P=0.059
MAX-ISO-POLY-3	P=0.069	P=0.002**	P=0.248	P=0.038*
HISTCONT SAME RTE	P=0.086	P=0.003**	P=0.167	P=0.048*
HISTCONT ALL RTEs	P=0.002**	P<0.001**	P=0.074	P=0.004**

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	1/50 (2%)	2/49 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/42.57	1/42.38	2/39.98	3/44.00
POLY-3 PERCENT (g)	7.1%	2.4%	5%	6.8%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	1/22 (5%)	2/30 (7%)
FIRST INCIDENCE	573	729 (T)	716	659
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	29/1394 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.454	P=0.306N	P=0.529N	P=0.648N
POLY 1.5	P=0.449	P=0.305N	P=0.516N	P=0.649N
POLY 6	P=0.459	P=0.305N	P=0.548N	P=0.644N
COCH-ARM / FISHERS	P=0.438	P=0.301N	P=0.500N	P=0.651N
MAX-ISO-POLY-3	P=0.507N	P=0.156N	P=0.353N	P=0.483N
HISTCONT SAME RTE	P=0.203	P=0.574	P=0.329	P=0.191
HISTCONT ALL RTEs	P=0.165	P=1.000	P=0.355	P=0.178

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	8/49 (16%)	17/50 (34%)	9/49 (18%)	14/50 (28%)
POLY-3 RATE (b)	8/42.85	17/43.05	9/40.79	14/44.49
POLY-3 PERCENT (g)	18.7%	39.5%	22.1%	31.5%
TERMINAL (d)	5/27 (19%)	14/30 (47%)	5/22 (23%)	11/30 (37%)
FIRST INCIDENCE	573	667	554	658
HC TUMORS SAME ROUTE	16/150 (11%)			
HC TUMORS ALL ROUTES	119/1394 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.337	P=0.026*	P=0.455	P=0.126
POLY 1.5	P=0.328	P=0.028*	P=0.475	P=0.125
POLY 6	P=0.351	P=0.026*	P=0.424	P=0.130
COCH-ARM / FISHERS	P=0.315	P=0.036*	P=0.500	P=0.124
MAX-ISO-POLY-3	P=0.142	P=0.015*	P=0.352	P=0.085
HISTCONT SAME RTE	P=0.179	P=0.017*	P=0.162	P=0.069
HISTCONT ALL RTES	P<0.001**	P<0.001**	P=0.058	P=0.004**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney: Renal Tubule Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	2/40.88	0/43.73
POLY-3 PERCENT (g)	0%	0%	4.9%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	---	---	657	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	9/1393 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.687N	(e)	P=0.228	(e)
POLY 1.5	P=0.690N	(e)	P=0.232	(e)
POLY 6	P=0.684N	(e)	P=0.222	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.251	(e)	P=0.075	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/42.89	2/42.38	1/40.63	3/44.30
POLY-3 PERCENT (g)	4.7%	4.7%	2.5%	6.8%
TERMINAL (d)	0/27 (0%)	2/30 (7%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	664	729 (T)	724	633
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	16/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.396	P=0.690	P=0.519N	P=0.515
POLY 1.5	P=0.390	P=0.689	P=0.510N	P=0.508
POLY 6	P=0.405	P=0.693	P=0.533N	P=0.524
COCH-ARM / FISHERS	P=0.378	P=0.691N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.436	P=0.494	P=0.301N	P=0.339
HISTCONT SAME RTE	P=0.071	P=0.132	P=0.308	P=0.077
HISTCONT ALL RTEs	P=0.016*	P=0.128	P=0.429	P=0.029*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/42.89	3/42.38	1/40.63	3/44.30
POLY-3 PERCENT (g)	4.7%	7.1%	2.5%	6.8%
TERMINAL (d)	0/27 (0%)	3/30 (10%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	664	729 (T)	724	633
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	21/1398 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.490	P=0.495	P=0.519N	P=0.515
POLY 1.5	P=0.482	P=0.494	P=0.510N	P=0.508
POLY 6	P=0.501	P=0.498	P=0.533N	P=0.524
COCH-ARM / FISHERS	P=0.471	P=0.500	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.527	P=0.319	P=0.301N	P=0.339
HISTCONT SAME RTE	P=0.129	P=0.091	P=0.396	P=0.088
HISTCONT ALL RTEs	P=0.033*	P=0.038*	P=0.503	P=0.040*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/42.89	3/42.38	1/40.63	3/44.30
POLY-3 PERCENT (g)	4.7%	7.1%	2.5%	6.8%
TERMINAL (d)	0/27 (0%)	3/30 (10%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	664	729 (T)	724	633
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	21/1398 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.490	P=0.495	P=0.519N	P=0.515
POLY 1.5	P=0.482	P=0.494	P=0.510N	P=0.508
POLY 6	P=0.501	P=0.498	P=0.533N	P=0.524
COCH-ARM / FISHERS	P=0.471	P=0.500	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.527	P=0.319	P=0.301N	P=0.339
HISTCONT SAME RTE	P=0.129	P=0.091	P=0.396	P=0.088
HISTCONT ALL RTEs	P=0.033*	P=0.038*	P=0.503	P=0.040*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/42.79	0/42.38	2/40.68	2/44.08
POLY-3 PERCENT (g)	4.7%	0%	4.9%	4.5%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	663	---	710	633
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	32/1398 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.446	P=0.239N	P=0.676	P=0.684N
POLY 1.5	P=0.441	P=0.240N	P=0.684	P=0.688N
POLY 6	P=0.452	P=0.236N	P=0.663	P=0.677N
COCH-ARM / FISHERS	P=0.429	P=0.247N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.445	P=0.078N	P=0.479	P=0.487N
HISTCONT SAME RTE	P=0.554	(e)	P=0.625	P=1.000
HISTCONT ALL RTEs	P=0.520	(e)	P=0.377	P=0.400

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/42.79	1/42.38	3/40.70	2/44.08
POLY-3 PERCENT (g)	4.7%	2.4%	7.4%	4.5%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	663	729 (T)	710	633
HC TUMORS SAME ROUTE	8/150 (5%)			
HC TUMORS ALL ROUTES	45/1398 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.561	P=0.503N	P=0.477	P=0.684N
POLY 1.5	P=0.554	P=0.504N	P=0.488	P=0.688N
POLY 6	P=0.569	P=0.500N	P=0.461	P=0.677N
COCH-ARM / FISHERS	P=0.541	P=0.500N	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.484	P=0.284N	P=0.307	P=0.487N
HISTCONT SAME RTE	P=0.599	P=1.000	P=0.414	P=1.000
HISTCONT ALL RTEs	P=0.567	P=1.000	P=0.274	P=0.539

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	1/43.73
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	4/1398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.220	(e)	(e)	P=0.506
POLY 1.5	P=0.218	(e)	(e)	P=0.503
POLY 6	P=0.222	(e)	(e)	P=0.509
COCH-ARM / FISHERS	P=0.215	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.136	(e)	(e)	P=0.165
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	1/42.38	1/40.61	0/43.73
POLY-3 PERCENT (g)	0%	2.4%	2.5%	0%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	7/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.533N	P=0.499	P=0.491	(e)
POLY 1.5	P=0.536N	P=0.498	P=0.495	(e)
POLY 6	P=0.527N	P=0.502	P=0.484	(e)
COCH-ARM / FISHERS	P=0.541N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.402N	P=0.158	P=0.158	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	1/42.38	1/40.61	1/43.73
POLY-3 PERCENT (g)	0%	2.4%	2.5%	2.3%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	11/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.495	P=0.499	P=0.491	P=0.506
POLY 1.5	P=0.490	P=0.498	P=0.495	P=0.503
POLY 6	P=0.500	P=0.502	P=0.484	P=0.509
COCH-ARM / FISHERS	P=0.483	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.158	P=0.158	P=0.165
HISTCONT SAME RTE	P=0.174	P=0.070	P=0.075	P=0.067
HISTCONT ALL RTEs	P=0.386	P=0.188	P=0.188	P=0.196

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/42.54	0/42.38	3/40.78	2/44.08
POLY-3 PERCENT (g)	4.7%	0%	7.4%	4.5%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	2/22 (9%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	---	685	632
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	48/1398 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.466	P=0.238N	P=0.481	P=0.681N
POLY 1.5	P=0.459	P=0.239N	P=0.489	P=0.687N
POLY 6	P=0.473	P=0.234N	P=0.468	P=0.673N
COCH-ARM / FISHERS	P=0.445	P=0.247N	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.335	P=0.076N	P=0.309	P=0.485N
HISTCONT SAME RTE	P=0.401	(e)	P=0.237	P=0.479
HISTCONT ALL RTEs	P=0.388	(e)	P=0.294	P=0.567

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/42.54	0/42.38	3/40.78	3/44.08
POLY-3 PERCENT (g)	4.7%	0%	7.4%	6.8%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	2/22 (9%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	---	685	632
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	54/1398 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.251	P=0.238N	P=0.481	P=0.516
POLY 1.5	P=0.245	P=0.239N	P=0.489	P=0.509
POLY 6	P=0.257	P=0.234N	P=0.468	P=0.527
COCH-ARM / FISHERS	P=0.235	P=0.247N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.247	P=0.076N	P=0.309	P=0.340
HISTCONT SAME RTE	P=0.293	(e)	P=0.237	P=0.252
HISTCONT ALL RTEs	P=0.286	(e)	P=0.350	P=0.382

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	2/42.54	1/42.38	4/40.78	3/44.08
POLY-3 PERCENT (g)	4.7%	2.4%	9.8%	6.8%
TERMINAL (d)	2/27 (7%)	1/30 (3%)	3/22 (14%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	685	632
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	60/1398 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.360	P=0.501N	P=0.317	P=0.516
POLY 1.5	P=0.353	P=0.503N	P=0.326	P=0.509
POLY 6	P=0.370	P=0.496N	P=0.303	P=0.527
COCH-ARM / FISHERS	P=0.338	P=0.500N	P=0.339	P=0.500
MAX-ISO-POLY-3	P=0.289	P=0.282N	P=0.189	P=0.340
HISTCONT SAME RTE	P=0.251	P=1.000	P=0.148	P=0.252
HISTCONT ALL RTEs	P=0.336	P=1.000	P=0.214	P=0.428

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Papilloma Squamous or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	2/42.38	0/40.61	1/44.26
POLY-3 PERCENT (g)	0%	4.7%	0%	2.3%
TERMINAL (d)	0/27 (0%)	2/30 (7%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	---	569
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	6/1398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.627	P=0.236	(e)	P=0.508
POLY 1.5	P=0.621	P=0.235	(e)	P=0.504
POLY 6	P=0.637	P=0.239	(e)	P=0.513
COCH-ARM / FISHERS	P=0.615	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.332	P=0.076	(e)	P=0.168
HISTCONT SAME RTE	P=0.350	P=0.068	(e)	P=0.065
HISTCONT ALL RTEs	P=0.245	P=0.007**	(e)	P=0.112

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.54	0/42.38	2/40.61	1/43.82
POLY-3 PERCENT (g)	2.4%	0%	4.9%	2.3%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	708
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	5/1398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.571	P=0.501N	P=0.484	P=0.754N
POLY 1.5	P=0.567	P=0.502N	P=0.491	P=0.757N
POLY 6	P=0.576	P=0.498N	P=0.472	P=0.750N
COCH-ARM / FISHERS	P=0.558	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.382	P=0.159N	P=0.271	P=0.491N
HISTCONT SAME RTE	P=0.167	(e)	P=0.071	P=0.134
HISTCONT ALL RTEs	P=0.057	(e)	P=0.006**	P=0.099

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/42.54	2/42.38	2/40.61	2/44.34
POLY-3 PERCENT (g)	2.4%	4.7%	4.9%	4.5%
TERMINAL (d)	1/27 (4%)	2/30 (7%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	569
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	11/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.512	P=0.499	P=0.484	P=0.514
POLY 1.5	P=0.503	P=0.497	P=0.491	P=0.508
POLY 6	P=0.524	P=0.504	P=0.472	P=0.524
COCH-ARM / FISHERS	P=0.489	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.470	P=0.279	P=0.271	P=0.296
HISTCONT SAME RTE	P=0.134	P=0.067	P=0.071	P=0.063
HISTCONT ALL RTEs	P=0.016*	P=0.035*	P=0.034*	P=0.036*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	33/50 (66%)	31/49 (63%)	32/50 (64%)	34/50 (68%)
POLY-3 RATE (b)	33/45.60	31/44.37	32/45.82	34/47.92
POLY-3 PERCENT (g)	72.4%	69.9%	69.8%	71%
TERMINAL (d)	21/27 (78%)	22/30 (73%)	15/22 (68%)	22/30 (73%)
FIRST INCIDENCE	554	480	467	468
HC TUMORS SAME ROUTE	96/149 (64%)			
HC TUMORS ALL ROUTES	641/1393 (46%)			
STATISTICAL TESTS				
POLY 3	P=0.543N	P=0.488N	P=0.485N	P=0.532N
POLY 1.5	P=0.506	P=0.494N	P=0.490N	P=0.588N
POLY 6	P=0.469N	P=0.473N	P=0.482N	P=0.463N
COCH-ARM / FISHERS	P=0.399	P=0.470N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.635N	P=0.392N	P=0.388N	P=0.438N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/49 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/42.68	2/42.12	1/40.78	2/43.83
POLY-3 PERCENT (g)	4.7%	4.8%	2.5%	4.6%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	694	591	685	704
HC TUMORS SAME ROUTE	5/149 (3%)			
HC TUMORS ALL ROUTES	6/1393 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.626N	P=0.690	P=0.516N	P=0.685N
POLY 1.5	P=0.629	P=0.685	P=0.509N	P=0.688N
POLY 6	P=0.622N	P=0.691N	P=0.527N	P=0.679N
COCH-ARM / FISHERS	P=0.622	P=0.684	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.614N	P=0.494	P=0.297N	P=0.488N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	35/50 (70%)	33/49 (67%)	33/50 (66%)	35/50 (70%)
POLY-3 RATE (b)	35/45.74	33/44.83	33/45.99	35/47.92
POLY-3 PERCENT (g)	76.5%	73.6%	71.8%	73%
TERMINAL (d)	22/27 (82%)	23/30 (77%)	15/22 (68%)	23/30 (77%)
FIRST INCIDENCE	554	480	467	468
HC TUMORS SAME ROUTE	101/149 (68%)			
HC TUMORS ALL ROUTES	647/1393 (46%)			
STATISTICAL TESTS				
POLY 3	P=0.449N	P=0.468N	P=0.383N	P=0.438N
POLY 1.5	P=0.509N	P=0.485N	P=0.395N	P=0.499N
POLY 6	P=0.383N	P=0.437N	P=0.371N	P=0.369N
COCH-ARM / FISHERS	P=0.492	P=0.473N	P=0.415N	P=0.586N
MAX-ISO-POLY-3	P=0.513N	P=0.368N	P=0.292N	P=0.346N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Prostate Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	2/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	0%	4.7%	0%	0%
TERMINAL (d)	0/27 (0%)	2/30 (7%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	6/1397 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.374N	P=0.236	(e)	(e)
POLY 1.5	P=0.378N	P=0.235	(e)	(e)
POLY 6	P=0.367N	P=0.239	(e)	(e)
COCH-ARM / FISHERS	P=0.380N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.253N	P=0.076	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	2/44.50
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	449
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	20/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.044*	(e)	(e)	P=0.247
POLY 1.5	P=0.043*	(e)	(e)	P=0.243
POLY 6	P=0.045*	(e)	(e)	P=0.252
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.043*	(e)	(e)	P=0.086
HISTCONT SAME RTE	P=0.053	(e)	(e)	P=0.111
HISTCONT ALL RTEs	P=0.048*	(e)	(e)	P=0.097

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.87	0/42.38	0/40.61	2/44.50
POLY-3 PERCENT (g)	2.3%	0%	0%	4.5%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	639	---	---	449
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	31/1398 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.199	P=0.502N	P=0.511N	P=0.513
POLY 1.5	P=0.197	P=0.503N	P=0.506N	P=0.508
POLY 6	P=0.202	P=0.500N	P=0.519N	P=0.519
COCH-ARM / FISHERS	P=0.191	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.155	P=0.161N	P=0.172N	P=0.295
HISTCONT SAME RTE	P=0.097	(e)	(e)	P=0.095
HISTCONT ALL RTEs	P=0.178	(e)	(e)	P=0.358

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	2/50 (4%)	7/50 (14%)	8/50 (16%)
POLY-3 RATE (b)	7/42.97	2/42.38	7/41.89	8/44.74
POLY-3 PERCENT (g)	16.3%	4.7%	16.7%	17.9%
TERMINAL (d)	5/27 (19%)	2/30 (7%)	2/22 (9%)	5/30 (17%)
FIRST INCIDENCE	639	729 (T)	575	449
HC TUMORS SAME ROUTE	8/150 (5%)			
HC TUMORS ALL ROUTES	116/1398 (8%)			
STATISTICAL TESTS				
POLY 3	P=0.219	P=0.080N	P=0.595	P=0.534
POLY 1.5	P=0.210	P=0.082N	P=0.603	P=0.520
POLY 6	P=0.229	P=0.077N	P=0.583	P=0.552
COCH-ARM / FISHERS	P=0.191	P=0.080N	P=0.613N	P=0.500
MAX-ISO-POLY-3	P=0.262	P=0.040N*	P=0.478	P=0.421
HISTCONT SAME RTE	P=0.087	P=1.000	P=0.150	P=0.116
HISTCONT ALL RTEs	P=0.145	P=1.000	P=0.261	P=0.196

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	6/50 (12%)	7/50 (14%)	1/50 (2%)
POLY-3 RATE (b)	5/43.02	6/43.12	7/41.22	1/43.97
POLY-3 PERCENT (g)	11.6%	13.9%	17%	2.3%
TERMINAL (d)	3/27 (11%)	4/30 (13%)	4/22 (18%)	0/30 (0%)
FIRST INCIDENCE	659	591	632	667
HC TUMORS SAME ROUTE	13/150 (9%)			
HC TUMORS ALL ROUTES	125/1398 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.050N*	P=0.502	P=0.348	P=0.096N
POLY 1.5	P=0.052N	P=0.496	P=0.362	P=0.098N
POLY 6	P=0.047N*	P=0.514	P=0.326	P=0.092N
COCH-ARM / FISHERS	P=0.058N	P=0.500	P=0.380	P=0.102N
MAX-ISO-POLY-3	P=0.061N	P=0.374	P=0.246	P=0.043N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	6/50 (12%)	9/50 (18%)	1/50 (2%)
POLY-3 RATE (b)	7/43.02	6/43.12	9/41.78	1/43.97
POLY-3 PERCENT (g)	16.3%	13.9%	21.5%	2.3%
TERMINAL (d)	5/27 (19%)	4/30 (13%)	5/22 (23%)	0/30 (0%)
FIRST INCIDENCE	659	591	554	667
HC TUMORS SAME ROUTE	16/150 (11%)			
HC TUMORS ALL ROUTES	154/1398 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.023N*	P=0.498N	P=0.366	P=0.027N*
POLY 1.5	P=0.025N*	P=0.504N	P=0.378	P=0.028N*
POLY 6	P=0.021N*	P=0.484N	P=0.346	P=0.025N*
COCH-ARM / FISHERS	P=0.029N*	P=0.500N	P=0.393	P=0.030N*
MAX-ISO-POLY-3	P=0.031N*	P=0.379N	P=0.270	P=0.011N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.54	0/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	18/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.234N	P=0.238N	P=0.247N	P=0.231N
POLY 1.5	P=0.234N	P=0.239N	P=0.243N	P=0.234N
POLY 6	P=0.234N	P=0.234N	P=0.255N	P=0.226N
COCH-ARM / FISHERS	P=0.238N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.034N*	P=0.076N	P=0.086N	P=0.076N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/42.54	0/42.38	2/41.17	0/43.73
POLY-3 PERCENT (g)	4.7%	0%	4.9%	0%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	---	554	---
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	30/1398 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.272N	P=0.238N	P=0.683	P=0.231N
POLY 1.5	P=0.274N	P=0.239N	P=0.688	P=0.234N
POLY 6	P=0.270N	P=0.234N	P=0.674	P=0.226N
COCH-ARM / FISHERS	P=0.281N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.122N	P=0.076N	P=0.486	P=0.076N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	2/41.17	0/43.73
POLY-3 PERCENT (g)	0%	0%	4.9%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	---	---	554	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	5/1398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.687N	(e)	P=0.229	(e)
POLY 1.5	P=0.689N	(e)	P=0.233	(e)
POLY 6	P=0.683N	(e)	P=0.224	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.252	(e)	P=0.075	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	2/50 (4%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	4/42.65	2/42.38	7/41.89	4/43.97
POLY-3 PERCENT (g)	9.4%	4.7%	16.7%	9.1%
TERMINAL (d)	3/27 (11%)	2/30 (7%)	2/22 (9%)	2/30 (7%)
FIRST INCIDENCE	703	729 (T)	575	694
HC TUMORS SAME ROUTE	5/150 (3%)			
HC TUMORS ALL ROUTES	66/1398 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.507	P=0.339N	P=0.248	P=0.627N
POLY 1.5	P=0.497	P=0.342N	P=0.254	P=0.634N
POLY 6	P=0.520	P=0.332N	P=0.241	P=0.616N
COCH-ARM / FISHERS	P=0.478	P=0.339N	P=0.262	P=0.643N
MAX-ISO-POLY-3	P=0.303	P=0.203N	P=0.160	P=0.481N
HISTCONT SAME RTE	P=0.211	P=0.587	P=0.087	P=0.230
HISTCONT ALL RTEs	P=0.242	P=1.000	P=0.069	P=0.360

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/42.54	0/42.38	3/41.30	2/44.47
POLY-3 PERCENT (g)	0%	0%	7.3%	4.5%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	---	---	632	468
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	11/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.171	(e)	P=0.113	P=0.247
POLY 1.5	P=0.166	(e)	P=0.116	P=0.243
POLY 6	P=0.177	(e)	P=0.109	P=0.252
COCH-ARM / FISHERS	P=0.157	(e)	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.087	(e)	P=0.038*	P=0.085
HISTCONT SAME RTE	P=0.110	(e)	P=0.046*	P=0.111
HISTCONT ALL RTEs	P=0.033*	(e)	P=0.015*	P=0.077

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.87	0/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	639	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	18/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.232N	P=0.239N	P=0.249N	P=0.232N
POLY 1.5	P=0.233N	P=0.240N	P=0.244N	P=0.234N
POLY 6	P=0.232N	P=0.237N	P=0.258N	P=0.230N
COCH-ARM / FISHERS	P=0.238N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.034N*	P=0.078N	P=0.087N	P=0.076N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.54	0/42.38	0/40.61	2/43.73
POLY-3 PERCENT (g)	2.4%	0%	0%	4.6%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	15/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.196	P=0.501N	P=0.509N	P=0.510
POLY 1.5	P=0.195	P=0.502N	P=0.505N	P=0.506
POLY 6	P=0.198	P=0.498N	P=0.516N	P=0.516
COCH-ARM / FISHERS	P=0.191	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.150	P=0.159N	P=0.170N	P=0.291
HISTCONT SAME RTE	P=0.101	(e)	(e)	P=0.098
HISTCONT ALL RTEs	P=0.172	(e)	(e)	P=0.173

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/50 (12%)	2/50 (4%)	7/50 (14%)	6/50 (12%)
POLY-3 RATE (b)	6/42.65	2/42.38	7/41.89	6/43.97
POLY-3 PERCENT (g)	14.1%	4.7%	16.7%	13.7%
TERMINAL (d)	5/27 (19%)	2/30 (7%)	2/22 (9%)	4/30 (13%)
FIRST INCIDENCE	703	729 (T)	575	694
HC TUMORS SAME ROUTE	7/150 (5%)			
HC TUMORS ALL ROUTES	89/1398 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.379	P=0.133N	P=0.486	P=0.600N
POLY 1.5	P=0.370	P=0.136N	P=0.492	P=0.609N
POLY 6	P=0.390	P=0.127N	P=0.478	P=0.585N
COCH-ARM / FISHERS	P=0.352	P=0.134N	P=0.500	P=0.620N
MAX-ISO-POLY-3	P=0.340	P=0.069N	P=0.368	P=0.476N
HISTCONT SAME RTE	P=0.190	P=1.000	P=0.127	P=0.180
HISTCONT ALL RTEs	P=0.170	P=1.000	P=0.151	P=0.252

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	2/50 (4%)	7/50 (14%)	6/50 (12%)
POLY-3 RATE (b)	5/42.65	2/42.38	7/41.89	6/43.97
POLY-3 PERCENT (g)	11.7%	4.7%	16.7%	13.7%
TERMINAL (d)	4/27 (15%)	2/30 (7%)	2/22 (9%)	4/30 (13%)
FIRST INCIDENCE	703	729 (T)	575	694
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	81/1398 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.295	P=0.217N	P=0.365	P=0.522
POLY 1.5	P=0.287	P=0.220N	P=0.371	P=0.512
POLY 6	P=0.304	P=0.211N	P=0.357	P=0.537
COCH-ARM / FISHERS	P=0.272	P=0.218N	P=0.380	P=0.500
MAX-ISO-POLY-3	P=0.259	P=0.121N	P=0.258	P=0.394
HISTCONT SAME RTE	P=0.169	P=1.000	P=0.120	P=0.160
HISTCONT ALL RTEs	P=0.136	P=1.000	P=0.136	P=0.227

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Testes				
Adenoma				
TUMOR RATES				
OVERALL (a)	34/50 (68%)	34/50 (68%)	32/50 (64%)	33/50 (66%)
POLY-3 RATE (b)	34/45.11	34/45.03	32/43.29	33/46.49
POLY-3 PERCENT (g)	75.4%	75.5%	73.9%	71%
TERMINAL (d)	23/27 (85%)	23/30 (77%)	19/22 (86%)	20/30 (67%)
FIRST INCIDENCE	601	591	575	569
HC TUMORS SAME ROUTE	103/150 (69%)			
HC TUMORS ALL ROUTES	1160/1398 (83%)			
STATISTICAL TESTS				
POLY 3	P=0.329N	P=0.596	P=0.538N	P=0.402N
POLY 1.5	P=0.380N	P=0.571	P=0.477N	P=0.446N
POLY 6	P=0.265N	P=0.561N	P=0.596	P=0.335N
COCH-ARM / FISHERS	P=0.462N	P=0.585N	P=0.417N	P=0.500N
MAX-ISO-POLY-3	P=0.487N	P=0.493	P=0.432N	P=0.312N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thymus				
Thymoma Benign				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/46 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/42.54	0/42.38	2/37.32	1/42.96
POLY-3 PERCENT (g)	0%	0%	5.4%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/19 (5%)	1/30 (3%)
FIRST INCIDENCE	---	---	632	729 (T)
HC TUMORS SAME ROUTE	0/147 (0%)			
HC TUMORS ALL ROUTES	3/1327 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.363	(e)	P=0.208	P=0.502
POLY 1.5	P=0.359	(e)	P=0.213	P=0.499
POLY 6	P=0.368	(e)	P=0.201	P=0.506
COCH-ARM / FISHERS	P=0.350	(e)	P=0.227	P=0.495
MAX-ISO-POLY-3	P=0.158	(e)	P=0.071	P=0.162
HISTCONT SAME RTE	P=0.170	(e)	P=0.075	P=0.067
HISTCONT ALL RTEs	P=0.026*	(e)	P=0.002**	P=0.036*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	6/46 (13%)	6/45 (13%)	6/43 (14%)	13/49 (27%)
POLY-3 RATE (b)	6/40.60	6/39.00	6/36.78	13/45.04
POLY-3 PERCENT (g)	14.8%	15.4%	16.3%	28.9%
TERMINAL (d)	4/27 (15%)	6/29 (21%)	4/22 (18%)	7/30 (23%)
FIRST INCIDENCE	554	729 (T)	626	522
HC TUMORS SAME ROUTE	25/150 (17%)			
HC TUMORS ALL ROUTES	175/1391 (13%)			
STATISTICAL TESTS				
POLY 3	P=0.038*	P=0.593	P=0.551	P=0.094
POLY 1.5	P=0.035*	P=0.594	P=0.561	P=0.089
POLY 6	P=0.042*	P=0.597	P=0.535	P=0.102
COCH-ARM / FISHERS	P=0.031*	P=0.605	P=0.572	P=0.082
MAX-ISO-POLY-3	P=0.061	P=0.469	P=0.427	P=0.063
HISTCONT SAME RTE	P=0.076	P=0.614	P=0.565	P=0.081
HISTCONT ALL RTEs	P=0.037*	P=0.583	P=0.540	P=0.070

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	6/46 (13%)	6/45 (13%)	6/43 (14%)	14/49 (29%)
POLY-3 RATE (b)	6/40.60	6/39.00	6/36.78	14/45.04
POLY-3 PERCENT (g)	14.8%	15.4%	16.3%	31.1%
TERMINAL (d)	4/27 (15%)	6/29 (21%)	4/22 (18%)	8/30 (27%)
FIRST INCIDENCE	554	729 (T)	626	522
HC TUMORS SAME ROUTE	33/150 (22%)			
HC TUMORS ALL ROUTES	214/1391 (15%)			
STATISTICAL TESTS				
POLY 3	P=0.019*	P=0.593	P=0.551	P=0.061
POLY 1.5	P=0.018*	P=0.594	P=0.561	P=0.057
POLY 6	P=0.021*	P=0.597	P=0.535	P=0.067
COCH-ARM / FISHERS	P=0.016*	P=0.605	P=0.572	P=0.053
MAX-ISO-POLY-3	P=0.030*	P=0.469	P=0.427	P=0.040*
HISTCONT SAME RTE	P=0.038*	P=0.614	P=0.565	P=0.050*
HISTCONT ALL RTEs	P=0.034*	P=0.593	P=0.542	P=0.043*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: Follicular Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	2/46 (4%)	0/45 (0%)	1/43 (2%)	1/49 (2%)
POLY-3 RATE (b)	2/40.05	0/39.00	1/36.47	1/43.08
POLY-3 PERCENT (g)	5%	0%	2.7%	2.3%
TERMINAL (d)	1/27 (4%)	0/29 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	703	---	694	729 (T)
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	12/1391 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.583N	P=0.243N	P=0.533N	P=0.475N
POLY 1.5	P=0.583N	P=0.244N	P=0.528N	P=0.476N
POLY 6	P=0.584N	P=0.240N	P=0.540N	P=0.474N
COCH-ARM / FISHERS	P=0.587N	P=0.253N	P=0.526N	P=0.476N
MAX-ISO-POLY-3	P=0.281N	P=0.080N	P=0.313N	P=0.263N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/46 (4%)	1/45 (2%)	2/43 (5%)	2/49 (4%)
POLY-3 RATE (b)	2/40.05	1/39.46	2/36.47	2/43.08
POLY-3 PERCENT (g)	5%	2.5%	5.5%	4.6%
TERMINAL (d)	1/27 (4%)	0/29 (0%)	1/22 (5%)	2/30 (7%)
FIRST INCIDENCE	703	591	694	729 (T)
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	26/1391 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.568	P=0.505N	P=0.661	P=0.668N
POLY 1.5	P=0.569	P=0.508N	P=0.665	P=0.669N
POLY 6	P=0.565	P=0.499N	P=0.653	P=0.667N
COCH-ARM / FISHERS	P=0.565	P=0.508N	P=0.666	P=0.667N
MAX-ISO-POLY-3	P=0.613	P=0.285N	P=0.462	P=0.470N
HISTCONT SAME RTE	P=0.198	P=0.489	P=0.163	P=0.190
HISTCONT ALL RTEs	P=0.326	P=0.581	P=0.242	P=0.298

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Tongue				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	2/40.61	0/43.73
POLY-3 PERCENT (g)	0%	0%	4.9%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	0/1398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.687N	(e)	P=0.226	(e)
POLY 1.5	P=0.690N	(e)	P=0.231	(e)
POLY 6	P=0.684N	(e)	P=0.219	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.250	(e)	P=0.075	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Tongue				
Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	1/42.38	2/40.61	0/43.73
POLY-3 PERCENT (g)	0%	2.4%	4.9%	0%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	4/1398 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.506N	P=0.499	P=0.226	(e)
POLY 1.5	P=0.510N	P=0.498	P=0.231	(e)
POLY 6	P=0.500N	P=0.502	P=0.219	(e)
COCH-ARM / FISHERS	P=0.517N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.327N	P=0.158	P=0.075	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Zymbal's Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.68	1/42.95	2/41.21	1/43.73
POLY-3 PERCENT (g)	2.3%	2.3%	4.9%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	694	554	626	729 (T)
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	9/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.630N	P=0.759N	P=0.488	P=0.755N
POLY 1.5	P=0.633N	P=0.760	P=0.493	P=0.757N
POLY 6	P=0.628N	P=0.755N	P=0.480	P=0.752N
COCH-ARM / FISHERS	P=0.639N	P=0.753N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.585	P=0.497N	P=0.273	P=0.492N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	2/40.82	0/43.73
POLY-3 PERCENT (g)	0%	0%	4.9%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	---	---	673	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	11/1398 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.687N	(e)	P=0.228	(e)
POLY 1.5	P=0.690N	(e)	P=0.232	(e)
POLY 6	P=0.684N	(e)	P=0.221	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.251	(e)	P=0.075	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	26/50 (52%)	27/50 (54%)	15/50 (30%)	24/50 (48%)
POLY-3 RATE (b)	26/45.70	27/45.37	15/43.37	24/45.88
POLY-3 PERCENT (g)	56.9%	59.5%	34.6%	52.3%
TERMINAL (d)	14/27 (52%)	17/30 (57%)	4/22 (18%)	13/30 (43%)
FIRST INCIDENCE	480	591	554	569
HC TUMORS SAME ROUTE	47/150 (31%)			
HC TUMORS ALL ROUTES	536/1398 (38%)			
STATISTICAL TESTS				
POLY 3	P=0.342N	P=0.483	P=0.024N*	P=0.407N
POLY 1.5	P=0.350N	P=0.473	P=0.021N*	P=0.414N
POLY 6	P=0.334N	P=0.521	P=0.029N*	P=0.392N
COCH-ARM / FISHERS	P=0.373N	P=0.500	P=0.021N*	P=0.421N
MAX-ISO-POLY-3	P=0.120N	P=0.396	P=0.016N*	P=0.327N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/43.20	4/42.43	1/40.66	2/43.73
POLY-3 PERCENT (g)	9.3%	9.4%	2.5%	4.6%
TERMINAL (d)	2/27 (7%)	3/30 (10%)	0/22 (0%)	2/30 (7%)
FIRST INCIDENCE	601	718	716	729 (T)
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	36/1398 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.634	P=0.197N	P=0.331N
POLY 1.5	P=0.239N	P=0.634	P=0.188N	P=0.334N
POLY 6	P=0.232N	P=0.637	P=0.210N	P=0.328N
COCH-ARM / FISHERS	P=0.246N	P=0.643N	P=0.181N	P=0.339N
MAX-ISO-POLY-3	P=0.219N	P=0.489	P=0.100N	P=0.197N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Mesothelioma: Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/43.20	4/42.43	1/40.66	2/43.73
POLY-3 PERCENT (g)	9.3%	9.4%	2.5%	4.6%
TERMINAL (d)	2/27 (7%)	3/30 (10%)	0/22 (0%)	2/30 (7%)
FIRST INCIDENCE	601	718	716	729 (T)
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	35/1398 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.634	P=0.197N	P=0.331N
POLY 1.5	P=0.239N	P=0.634	P=0.188N	P=0.334N
POLY 6	P=0.232N	P=0.637	P=0.210N	P=0.328N
COCH-ARM / FISHERS	P=0.246N	P=0.643N	P=0.181N	P=0.339N
MAX-ISO-POLY-3	P=0.219N	P=0.489	P=0.100N	P=0.197N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	46/50 (92%)	46/50 (92%)	46/50 (92%)	49/50 (98%)
POLY-3 RATE (b)	46/47.30	46/47.10	46/47.68	49/50.00
POLY-3 PERCENT (g)	97.3%	97.7%	96.5%	98%
TERMINAL (d)	27/27 (100%)	30/30 (100%)	22/22 (100%)	29/30 (97%)
FIRST INCIDENCE	554	480	467	449
HC TUMORS SAME ROUTE	142/150 (95%)			
HC TUMORS ALL ROUTES	1350/1398 (97%)			
STATISTICAL TESTS				
POLY 3	P=0.582	P=0.788	P=0.703N	P=0.698
POLY 1.5	P=0.315	P=0.670	P=0.665N	P=0.426
POLY 6	P=0.550N	P=0.984	P=0.843N	P=0.699N
COCH-ARM / FISHERS	P=0.121	P=0.643N	P=0.643N	P=0.181
MAX-ISO-POLY-3	P=0.575	P=0.421	P=0.375N	P=0.385
HISTCONT SAME RTE	P=0.631	P=0.558	P=1.000	P=0.513
HISTCONT ALL RTEs	P=0.670	P=0.534	P=1.000	P=0.483

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	33/50 (66%)	34/50 (68%)	28/50 (56%)	32/50 (64%)
POLY-3 RATE (b)	33/46.44	34/47.62	28/45.36	32/47.38
POLY-3 PERCENT (g)	71.1%	71.4%	61.7%	67.5%
TERMINAL (d)	18/27 (67%)	19/30 (63%)	11/22 (50%)	19/30 (63%)
FIRST INCIDENCE	480	272	554	449
HC TUMORS SAME ROUTE	83/150 (55%)			
HC TUMORS ALL ROUTES	784/1398 (56%)			
STATISTICAL TESTS				
POLY 3	P=0.395N	P=0.578	P=0.226N	P=0.440N
POLY 1.5	P=0.401N	P=0.535	P=0.217N	P=0.459N
POLY 6	P=0.406N	P=0.538N	P=0.239N	P=0.425N
COCH-ARM / FISHERS	P=0.437N	P=0.500	P=0.206N	P=0.500N
MAX-ISO-POLY-3	P=0.396N	P=0.485	P=0.166N	P=0.352N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	48/50 (96%)	49/50 (98%)	49/50 (98%)	50/50 (100%)
POLY-3 RATE (b)	48/48.53	49/49.07	49/49.12	50/50.00
POLY-3 PERCENT (g)	98.9%	99.9%	99.8%	100%
TERMINAL (d)	27/27 (100%)	30/30 (100%)	22/22 (100%)	30/30 (100%)
FIRST INCIDENCE	480	272	467	449
HC TUMORS SAME ROUTE	149/150 (99%)			
HC TUMORS ALL ROUTES	1388/1398 (99%)			
STATISTICAL TESTS				
POLY 3	P=0.759	P=0.896	P=0.909	P=0.864
POLY 1.5	P=0.377	P=0.639	P=0.669	P=0.499
POLY 6	P=1.000	P=1.000	P=1.000	P=1.000
COCH-ARM / FISHERS	P=0.193	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.075	P=0.145	P=0.178	P=0.105
HISTCONT SAME RTE	P=0.094	P=0.193	P=0.239	P=0.138
HISTCONT ALL RTEs	P=0.086	P=0.171	P=0.214	P=0.121

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	4/43.89	3/41.29	0/42.34	2/41.07
POLY-3 PERCENT (g)	9.1%	7.3%	0%	4.9%
TERMINAL (d)	3/30 (10%)	1/24 (4%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	650	537	---	693
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	28/1346 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.312N	P=0.533N	P=0.065N	P=0.368N
POLY 1.5	P=0.310N	P=0.516N	P=0.063N	P=0.357N
POLY 6	P=0.313N	P=0.550N	P=0.066N	P=0.379N
COCH-ARM / FISHERS	P=0.304N	P=0.500N	P=0.059N	P=0.339N
MAX-ISO-POLY-3	P=0.146N	P=0.381N	P=0.023N*	P=0.231N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	1/49 (2%)	3/49 (6%)	0/47 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/42.64	3/40.08	0/40.62	1/40.13
POLY-3 PERCENT (g)	2.4%	7.5%	0%	2.5%
TERMINAL (d)	1/30 (3%)	2/24 (8%)	0/27 (0%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	716	---	677
HC TUMORS SAME ROUTE	2/149 (1%)			
HC TUMORS ALL ROUTES	37/1338 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.453N	P=0.283	P=0.510N	P=0.747
POLY 1.5	P=0.446N	P=0.294	P=0.509N	P=0.752
POLY 6	P=0.459N	P=0.271	P=0.509N	P=0.743
COCH-ARM / FISHERS	P=0.435N	P=0.309	P=0.510N	P=0.753N
MAX-ISO-POLY-3	P=0.289N	P=0.145	P=0.168N	P=0.482
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla				
Pheochromocytoma Malignant				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/49 (0%)	1/47 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/42.64	0/40.02	1/40.68	0/39.93
POLY-3 PERCENT (g)	0%	0%	2.5%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	715	---
HC TUMORS SAME ROUTE	0/149 (0%)			
HC TUMORS ALL ROUTES	8/1338 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.789N	(e)	P=0.491	(e)
POLY 1.5	P=0.788N	(e)	P=0.491	(e)
POLY 6	P=0.791N	(e)	P=0.492	(e)
COCH-ARM / FISHERS	P=0.784N	(e)	P=0.490	(e)
MAX-ISO-POLY-3	P=0.393	(e)	P=0.156	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	1/49 (2%)	3/49 (6%)	1/47 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/42.64	3/40.08	1/40.68	1/40.13
POLY-3 PERCENT (g)	2.4%	7.5%	2.5%	2.5%
TERMINAL (d)	1/30 (3%)	2/24 (8%)	0/27 (0%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	716	715	677
HC TUMORS SAME ROUTE	2/149 (1%)			
HC TUMORS ALL ROUTES	49/1338 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.450N	P=0.283	P=0.750	P=0.747
POLY 1.5	P=0.443N	P=0.294	P=0.750	P=0.752
POLY 6	P=0.457N	P=0.271	P=0.752	P=0.743
COCH-ARM / FISHERS	P=0.429N	P=0.309	P=0.742	P=0.753N
MAX-ISO-POLY-3	P=0.466N	P=0.145	P=0.486	P=0.482
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral/Preputial Gland Adenoma				
TUMOR RATES				
OVERALL (a)	6/50 (12%)	4/50 (8%)	2/50 (4%)	9/50 (18%)
POLY-3 RATE (b)	6/43.88	4/40.43	2/42.34	9/41.45
POLY-3 PERCENT (g)	13.7%	9.9%	4.7%	21.7%
TERMINAL (d)	5/30 (17%)	3/24 (13%)	2/27 (7%)	7/26 (27%)
FIRST INCIDENCE	653	715	729 (T)	589
HC TUMORS SAME ROUTE	10/150 (7%)			
HC TUMORS ALL ROUTES	125/1347 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.087	P=0.421N	P=0.144N	P=0.244
POLY 1.5	P=0.088	P=0.395N	P=0.140N	P=0.260
POLY 6	P=0.086	P=0.450N	P=0.147N	P=0.230
COCH-ARM / FISHERS	P=0.096	P=0.370N	P=0.134N	P=0.288
MAX-ISO-POLY-3	P=0.073	P=0.304N	P=0.079N	P=0.171
HISTCONT SAME RTE	P=0.091	P=0.510	P=1.000	P=0.100
HISTCONT ALL RTEs	P=0.083	P=1.000	P=1.000	P=0.205

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral/Preputial Gland Carcinoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/43.93	3/40.78	1/42.34	2/40.93
POLY-3 PERCENT (g)	6.8%	7.4%	2.4%	4.9%
TERMINAL (d)	2/30 (7%)	2/24 (8%)	1/27 (4%)	2/26 (8%)
FIRST INCIDENCE	640	615	729 (T)	729 (T)
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	37/1347 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.429N	P=0.628	P=0.318N	P=0.532N
POLY 1.5	P=0.424N	P=0.645	P=0.313N	P=0.520N
POLY 6	P=0.434N	P=0.610	P=0.323N	P=0.545N
COCH-ARM / FISHERS	P=0.413N	P=0.661N	P=0.309N	P=0.500N
MAX-ISO-POLY-3	P=0.398N	P=0.463	P=0.168N	P=0.357N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral/Preputial Gland Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	9/50 (18%)	7/50 (14%)	3/50 (6%)	11/50 (22%)
POLY-3 RATE (b)	9/44.21	7/40.83	3/42.34	11/41.45
POLY-3 PERCENT (g)	20.4%	17.1%	7.1%	26.5%
TERMINAL (d)	7/30 (23%)	5/24 (21%)	3/27 (11%)	9/26 (35%)
FIRST INCIDENCE	640	615	729 (T)	589
HC TUMORS SAME ROUTE	12/150 (8%)			
HC TUMORS ALL ROUTES	162/1347 (12%)			
STATISTICAL TESTS				
POLY 3	P=0.183	P=0.460N	P=0.068N	P=0.337
POLY 1.5	P=0.188	P=0.426N	P=0.064N	P=0.360
POLY 6	P=0.177	P=0.497N	P=0.071N	P=0.312
COCH-ARM / FISHERS	P=0.205	P=0.393N	P=0.061N	P=0.402
MAX-ISO-POLY-3	P=0.132	P=0.357N	P=0.038N*	P=0.256
HISTCONT SAME RTE	P=0.104	P=0.268	P=1.000	P=0.098
HISTCONT ALL RTEs	P=0.152	P=0.503	P=1.000	P=0.205

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.60	1/40.92	0/42.34	0/40.93
POLY-3 PERCENT (g)	4.6%	2.4%	0%	0%
TERMINAL (d)	2/30 (7%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	562	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	0/1350 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.169N	P=0.522N	P=0.244N	P=0.251N
POLY 1.5	P=0.169N	P=0.511N	P=0.241N	P=0.246N
POLY 6	P=0.168N	P=0.533N	P=0.245N	P=0.256N
COCH-ARM / FISHERS	P=0.169N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.098N	P=0.304N	P=0.082N	P=0.090N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	0/50 (0%)	2/50 (4%)	3/49 (6%)
POLY-3 RATE (b)	3/42.96	0/40.38	2/42.44	3/40.26
POLY-3 PERCENT (g)	7%	0%	4.7%	7.5%
TERMINAL (d)	3/30 (10%)	0/24 (0%)	1/27 (4%)	3/26 (12%)
FIRST INCIDENCE	729 (T)	---	703	729 (T)
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	23/1340 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.333	P=0.130N	P=0.506N	P=0.633
POLY 1.5	P=0.330	P=0.122N	P=0.500N	P=0.643
POLY 6	P=0.337	P=0.138N	P=0.510N	P=0.623
COCH-ARM / FISHERS	P=0.335	P=0.117N	P=0.490N	P=0.661N
MAX-ISO-POLY-3	P=0.345	P=0.048N*	P=0.330N	P=0.467
HISTCONT SAME RTE	P=0.096	(e)	P=0.225	P=0.130
HISTCONT ALL RTEs	P=0.054	(e)	P=0.256	P=0.081

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.96	0/40.38	0/42.34	0/40.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	4/1340 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	0/50 (0%)	2/50 (4%)	3/49 (6%)
POLY-3 RATE (b)	3/42.96	0/40.38	2/42.44	3/40.26
POLY-3 PERCENT (g)	7%	0%	4.7%	7.5%
TERMINAL (d)	3/30 (10%)	0/24 (0%)	1/27 (4%)	3/26 (12%)
FIRST INCIDENCE	729 (T)	---	703	729 (T)
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	27/1340 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.333	P=0.130N	P=0.506N	P=0.633
POLY 1.5	P=0.330	P=0.122N	P=0.500N	P=0.643
POLY 6	P=0.337	P=0.138N	P=0.510N	P=0.623
COCH-ARM / FISHERS	P=0.335	P=0.117N	P=0.490N	P=0.661N
MAX-ISO-POLY-3	P=0.345	P=0.048N*	P=0.330N	P=0.467
HISTCONT SAME RTE	P=0.119	(e)	P=0.263	P=0.144
HISTCONT ALL RTEs	P=0.076	(e)	P=0.295	P=0.096

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney: Renal Tubule Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	2/1340 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	0/40.38	2/42.44	1/40.98
POLY-3 PERCENT (g)	0%	0%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	704	718
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	17/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.339	(e)	P=0.231	P=0.488
POLY 1.5	P=0.343	(e)	P=0.233	P=0.492
POLY 6	P=0.337	(e)	P=0.229	P=0.484
COCH-ARM / FISHERS	P=0.354	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.181	(e)	P=0.076	P=0.158
HISTCONT SAME RTE	P=0.230	(e)	P=0.098	P=0.211
HISTCONT ALL RTEs	P=0.210	(e)	P=0.086	P=0.188

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	0/40.38	2/42.44	1/40.98
POLY-3 PERCENT (g)	0%	0%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	704	718
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	18/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.339	(e)	P=0.231	P=0.488
POLY 1.5	P=0.343	(e)	P=0.233	P=0.492
POLY 6	P=0.337	(e)	P=0.229	P=0.484
COCH-ARM / FISHERS	P=0.354	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.181	(e)	P=0.076	P=0.158
HISTCONT SAME RTE	P=0.230	(e)	P=0.098	P=0.211
HISTCONT ALL RTEs	P=0.210	(e)	P=0.086	P=0.188

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	0/40.38	2/42.44	1/40.98
POLY-3 PERCENT (g)	0%	0%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	704	718
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	18/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.339	(e)	P=0.231	P=0.488
POLY 1.5	P=0.343	(e)	P=0.233	P=0.492
POLY 6	P=0.337	(e)	P=0.229	P=0.484
COCH-ARM / FISHERS	P=0.354	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.181	(e)	P=0.076	P=0.158
HISTCONT SAME RTE	P=0.230	(e)	P=0.098	P=0.211
HISTCONT ALL RTEs	P=0.210	(e)	P=0.086	P=0.188

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.86	0/40.38	2/42.34	1/40.93
POLY-3 PERCENT (g)	2.3%	0%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	2/27 (7%)	1/26 (4%)
FIRST INCIDENCE	659	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	24/1350 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.546	P=0.517N	P=0.488	P=0.745
POLY 1.5	P=0.548	P=0.508N	P=0.493	P=0.751
POLY 6	P=0.545	P=0.526N	P=0.483	P=0.739
COCH-ARM / FISHERS	P=0.558	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.390	P=0.179N	P=0.273	P=0.480
HISTCONT SAME RTE	P=0.490	(e)	P=0.368	P=0.626
HISTCONT ALL RTEs	P=0.454	(e)	P=0.312	P=0.582

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.86	0/40.38	2/42.34	1/40.93
POLY-3 PERCENT (g)	2.3%	0%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	2/27 (7%)	1/26 (4%)
FIRST INCIDENCE	659	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	30/1350 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.546	P=0.517N	P=0.488	P=0.745
POLY 1.5	P=0.548	P=0.508N	P=0.493	P=0.751
POLY 6	P=0.545	P=0.526N	P=0.483	P=0.739
COCH-ARM / FISHERS	P=0.558	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.390	P=0.179N	P=0.273	P=0.480
HISTCONT SAME RTE	P=0.490	(e)	P=0.368	P=0.626
HISTCONT ALL RTEs	P=0.454	(e)	P=0.340	P=0.607

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.60	1/40.75	0/42.34	3/41.38
POLY-3 PERCENT (g)	2.3%	2.5%	0%	7.3%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	729 (T)	624	---	613
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	20/1350 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.124	P=0.746	P=0.506N	P=0.286
POLY 1.5	P=0.124	P=0.753	P=0.504N	P=0.293
POLY 6	P=0.123	P=0.738	P=0.508N	P=0.281
COCH-ARM / FISHERS	P=0.128	P=0.753N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.105	P=0.480	P=0.166N	P=0.147
HISTCONT SAME RTE	P=0.074	P=0.252	(e)	P=0.074
HISTCONT ALL RTEs	P=0.085	P=0.512	(e)	P=0.056

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/43.92	4/40.77	1/42.34	0/40.93
POLY-3 PERCENT (g)	4.6%	9.8%	2.4%	0%
TERMINAL (d)	0/30 (0%)	3/24 (13%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	653	616	729 (T)	---
HC TUMORS SAME ROUTE	7/150 (5%)			
HC TUMORS ALL ROUTES	74/1350 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.088N	P=0.303	P=0.513N	P=0.253N
POLY 1.5	P=0.085N	P=0.320	P=0.508N	P=0.247N
POLY 6	P=0.092N	P=0.285	P=0.518N	P=0.259N
COCH-ARM / FISHERS	P=0.080N	P=0.339	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.089N	P=0.183	P=0.294N	P=0.091N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	5/50 (10%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	3/43.92	5/41.15	1/42.34	3/41.38
POLY-3 PERCENT (g)	6.8%	12.2%	2.4%	7.3%
TERMINAL (d)	1/30 (3%)	3/24 (13%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	653	616	729 (T)	613
HC TUMORS SAME ROUTE	8/150 (5%)			
HC TUMORS ALL ROUTES	94/1350 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.487N	P=0.320	P=0.318N	P=0.635
POLY 1.5	P=0.480N	P=0.339	P=0.313N	P=0.644
POLY 6	P=0.494N	P=0.303	P=0.323N	P=0.626
COCH-ARM / FISHERS	P=0.466N	P=0.357	P=0.309N	P=0.661N
MAX-ISO-POLY-3	P=0.339N	P=0.209	P=0.168N	P=0.470
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	19/50 (38%)	20/50 (40%)	18/50 (36%)	18/50 (36%)
POLY-3 RATE (b)	19/44.59	20/43.06	18/44.57	18/42.08
POLY-3 PERCENT (g)	42.6%	46.5%	40.4%	42.8%
TERMINAL (d)	15/30 (50%)	12/24 (50%)	12/27 (44%)	12/26 (46%)
FIRST INCIDENCE	632	515	455	590
HC TUMORS SAME ROUTE	42/150 (28%)			
HC TUMORS ALL ROUTES	701/1350 (52%)			
STATISTICAL TESTS				
POLY 3	P=0.499N	P=0.441	P=0.501N	P=0.581
POLY 1.5	P=0.477N	P=0.476	P=0.500N	P=0.560N
POLY 6	P=0.519N	P=0.406	P=0.498N	P=0.555
COCH-ARM / FISHERS	P=0.421N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.613N	P=0.358	P=0.412N	P=0.493
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland				
Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	19/50 (38%)	21/50 (42%)	18/50 (36%)	19/50 (38%)
POLY-3 RATE (b)	19/44.59	21/43.43	18/44.57	19/42.48
POLY-3 PERCENT (g)	42.6%	48.4%	40.4%	44.7%
TERMINAL (d)	15/30 (50%)	12/24 (50%)	12/27 (44%)	12/26 (46%)
FIRST INCIDENCE	632	515	455	590
HC TUMORS SAME ROUTE	43/150 (29%)			
HC TUMORS ALL ROUTES	711/1350 (53%)			
STATISTICAL TESTS				
POLY 3	P=0.551N	P=0.369	P=0.501N	P=0.507
POLY 1.5	P=0.533N	P=0.400	P=0.500N	P=0.532
POLY 6	P=0.543	P=0.344	P=0.498N	P=0.489
COCH-ARM / FISHERS	P=0.479N	P=0.419	P=0.500N	P=0.582N
MAX-ISO-POLY-3	P=0.612N	P=0.293	P=0.412N	P=0.420
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland				
Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	21/50 (42%)	24/50 (48%)	18/50 (36%)	19/50 (38%)
POLY-3 RATE (b)	21/44.91	24/43.82	18/44.57	19/42.48
POLY-3 PERCENT (g)	46.8%	54.8%	40.4%	44.7%
TERMINAL (d)	15/30 (50%)	14/24 (58%)	12/27 (44%)	12/26 (46%)
FIRST INCIDENCE	632	515	455	590
HC TUMORS SAME ROUTE	48/150 (32%)			
HC TUMORS ALL ROUTES	748/1350 (55%)			
STATISTICAL TESTS				
POLY 3	P=0.341N	P=0.290	P=0.344N	P=0.510N
POLY 1.5	P=0.322N	P=0.322	P=0.341N	P=0.477N
POLY 6	P=0.359N	P=0.262	P=0.347N	P=0.540N
COCH-ARM / FISHERS	P=0.275N	P=0.344	P=0.341N	P=0.419N
MAX-ISO-POLY-3	P=0.362N	P=0.223	P=0.270N	P=0.423N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Papilloma Squamous or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	1/40.93
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	8/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.211	(e)	(e)	P=0.487
POLY 1.5	P=0.212	(e)	(e)	P=0.492
POLY 6	P=0.210	(e)	(e)	P=0.483
COCH-ARM / FISHERS	P=0.215	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	5/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva) Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	1/40.93
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	4/150 (3%)			
HC TUMORS ALL ROUTES	13/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.211	(e)	(e)	P=0.487
POLY 1.5	P=0.212	(e)	(e)	P=0.492
POLY 6	P=0.210	(e)	(e)	P=0.483
COCH-ARM / FISHERS	P=0.215	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	31/50 (62%)	35/50 (70%)	28/50 (56%)	24/50 (48%)
POLY-3 RATE (b)	31/47.98	35/46.48	28/44.61	24/44.10
POLY-3 PERCENT (g)	64.6%	75.3%	62.8%	54.4%
TERMINAL (d)	15/30 (50%)	18/24 (75%)	18/27 (67%)	14/26 (54%)
FIRST INCIDENCE	426	515	455	493
HC TUMORS SAME ROUTE	90/150 (60%)			
HC TUMORS ALL ROUTES	744/1344 (55%)			
STATISTICAL TESTS				
POLY 3	P=0.062N	P=0.176	P=0.513N	P=0.213N
POLY 1.5	P=0.048N*	P=0.223	P=0.435N	P=0.168N
POLY 6	P=0.086N	P=0.133	P=0.562	P=0.276N
COCH-ARM / FISHERS	P=0.030N*	P=0.263	P=0.342N	P=0.114N
MAX-ISO-POLY-3	P=0.099N	P=0.127	P=0.426N	P=0.166N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/44.16	0/40.38	1/42.34	4/41.12
POLY-3 PERCENT (g)	4.5%	0%	2.4%	9.7%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	1/27 (4%)	2/26 (8%)
FIRST INCIDENCE	554	---	729 (T)	693
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	14/1344 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.069	P=0.257N	P=0.515N	P=0.304
POLY 1.5	P=0.069	P=0.247N	P=0.509N	P=0.316
POLY 6	P=0.070	P=0.269N	P=0.520N	P=0.293
COCH-ARM / FISHERS	P=0.072	P=0.247N	P=0.500N	P=0.339
MAX-ISO-POLY-3	P=0.077	P=0.095N	P=0.296N	P=0.183
HISTCONT SAME RTE	P=0.097	(e)	P=1.000	P=0.147
HISTCONT ALL RTEs	P=0.003**	(e)	P=0.429	P=0.010**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	33/50 (66%)	35/50 (70%)	29/50 (58%)	28/50 (56%)
POLY-3 RATE (b)	33/48.54	35/46.48	29/44.61	28/44.29
POLY-3 PERCENT (g)	68%	75.3%	65%	63.2%
TERMINAL (d)	16/30 (53%)	18/24 (75%)	19/27 (70%)	16/26 (62%)
FIRST INCIDENCE	426	515	455	493
HC TUMORS SAME ROUTE	93/150 (62%)			
HC TUMORS ALL ROUTES	758/1344 (56%)			
STATISTICAL TESTS				
POLY 3	P=0.222N	P=0.283	P=0.466N	P=0.395N
POLY 1.5	P=0.176N	P=0.353	P=0.373N	P=0.314N
POLY 6	P=0.288N	P=0.214	P=0.591N	P=0.492N
COCH-ARM / FISHERS	P=0.111N	P=0.415	P=0.268N	P=0.206N
MAX-ISO-POLY-3	P=0.320N	P=0.216	P=0.382N	P=0.320N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.39	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	726	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	8/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.598N	P=0.485	(e)	(e)
POLY 1.5	P=0.592N	P=0.492	(e)	(e)
POLY 6	P=0.604N	P=0.477	(e)	(e)
COCH-ARM / FISHERS	P=0.585N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	P=0.158	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.39	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	726	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	9/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.598N	P=0.485	(e)	(e)
POLY 1.5	P=0.592N	P=0.492	(e)	(e)
POLY 6	P=0.604N	P=0.477	(e)	(e)
COCH-ARM / FISHERS	P=0.585N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	P=0.158	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.39	1/42.34	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	2.4%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	726	729 (T)	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	24/1350 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.557N	P=0.485	P=0.494	(e)
POLY 1.5	P=0.551N	P=0.492	P=0.496	(e)
POLY 6	P=0.563N	P=0.477	P=0.492	(e)
COCH-ARM / FISHERS	P=0.541N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.410	P=0.158	P=0.158	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/43.71	0/40.38	0/42.34	1/40.93
POLY-3 PERCENT (g)	6.9%	0%	0%	2.4%
TERMINAL (d)	2/30 (7%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	701	---	---	729 (T)
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	25/1350 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.429N	P=0.133N	P=0.124N	P=0.329N
POLY 1.5	P=0.436N	P=0.126N	P=0.122N	P=0.320N
POLY 6	P=0.421N	P=0.141N	P=0.126N	P=0.337N
COCH-ARM / FISHERS	P=0.442N	P=0.121N	P=0.121N	P=0.309N
MAX-ISO-POLY-3	P=0.059N	P=0.050N*	P=0.042N*	P=0.178N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/43.71	0/40.38	0/42.34	1/40.93
POLY-3 PERCENT (g)	6.9%	0%	0%	2.4%
TERMINAL (d)	2/30 (7%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	701	---	---	729 (T)
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	32/1350 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.429N	P=0.133N	P=0.124N	P=0.329N
POLY 1.5	P=0.436N	P=0.126N	P=0.122N	P=0.320N
POLY 6	P=0.421N	P=0.141N	P=0.126N	P=0.337N
COCH-ARM / FISHERS	P=0.442N	P=0.121N	P=0.121N	P=0.309N
MAX-ISO-POLY-3	P=0.059N	P=0.050N*	P=0.042N*	P=0.178N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	5/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	8/1350 (1%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	1/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	1/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	8/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.789N	(e)	P=0.494	(e)
POLY 1.5	P=0.788N	(e)	P=0.496	(e)
POLY 6	P=0.790N	(e)	P=0.492	(e)
COCH-ARM / FISHERS	P=0.785N	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.394	(e)	P=0.158	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	3/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	4/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	5/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	1/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	16/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.789N	(e)	P=0.494	(e)
POLY 1.5	P=0.788N	(e)	P=0.496	(e)
POLY 6	P=0.790N	(e)	P=0.492	(e)
COCH-ARM / FISHERS	P=0.785N	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.394	(e)	P=0.158	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	1/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	13/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.789N	(e)	P=0.494	(e)
POLY 1.5	P=0.788N	(e)	P=0.496	(e)
POLY 6	P=0.790N	(e)	P=0.492	(e)
COCH-ARM / FISHERS	P=0.785N	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.394	(e)	P=0.158	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thymus				
Thymoma Benign				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/47 (0%)	0/47 (0%)
POLY-3 RATE (b)	1/43.60	0/39.38	0/39.80	0/38.86
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/30 (3%)	0/23 (0%)	0/26 (0%)	0/24 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	0/144 (0%)			
HC TUMORS ALL ROUTES	4/1302 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.468N	P=0.520N	P=0.518N	P=0.523N
POLY 1.5	P=0.474N	P=0.512N	P=0.516N	P=0.519N
POLY 6	P=0.462N	P=0.529N	P=0.520N	P=0.528N
COCH-ARM / FISHERS	P=0.480N	P=0.505N	P=0.515N	P=0.515N
MAX-ISO-POLY-3	P=0.163N	P=0.182N	P=0.177N	P=0.183N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: C-Cell Adenoma				
TUMOR RATES				
OVERALL (a)	7/50 (14%)	4/50 (8%)	5/49 (10%)	7/50 (14%)
POLY-3 RATE (b)	7/44.51	4/40.43	5/41.44	7/41.14
POLY-3 PERCENT (g)	15.7%	9.9%	12.1%	17%
TERMINAL (d)	5/30 (17%)	3/24 (13%)	4/27 (15%)	5/26 (19%)
FIRST INCIDENCE	554	716	710	687
HC TUMORS SAME ROUTE	17/150 (11%)			
HC TUMORS ALL ROUTES	141/1338 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.370	P=0.318N	P=0.430N	P=0.552
POLY 1.5	P=0.376	P=0.289N	P=0.415N	P=0.575
POLY 6	P=0.364	P=0.350N	P=0.445N	P=0.529
COCH-ARM / FISHERS	P=0.395	P=0.262N	P=0.394N	P=0.613N
MAX-ISO-POLY-3	P=0.459	P=0.224N	P=0.318N	P=0.437
HISTCONT SAME RTE	P=0.457	P=1.000	P=1.000	P=0.400
HISTCONT ALL RTEs	P=0.461	P=1.000	P=0.626	P=0.327

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: C-Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	8/50 (16%)	4/50 (8%)	6/49 (12%)	8/50 (16%)
POLY-3 RATE (b)	8/44.71	4/40.43	6/41.58	8/41.60
POLY-3 PERCENT (g)	17.9%	9.9%	14.4%	19.2%
TERMINAL (d)	5/30 (17%)	3/24 (13%)	4/27 (15%)	5/26 (19%)
FIRST INCIDENCE	554	716	694	593
HC TUMORS SAME ROUTE	19/150 (13%)			
HC TUMORS ALL ROUTES	157/1338 (12%)			
STATISTICAL TESTS				
POLY 3	P=0.331	P=0.227N	P=0.443N	P=0.547
POLY 1.5	P=0.333	P=0.202N	P=0.426N	P=0.569
POLY 6	P=0.330	P=0.259N	P=0.460N	P=0.524
COCH-ARM / FISHERS	P=0.349	P=0.178N	P=0.403N	P=0.607N
MAX-ISO-POLY-3	P=0.419	P=0.156N	P=0.336N	P=0.437
HISTCONT SAME RTE	P=0.293	P=1.000	P=1.000	P=0.226
HISTCONT ALL RTEs	P=0.377	P=1.000	P=0.564	P=0.292

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: Follicular Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/41.36	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	6/1338 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.86	0/40.38	0/41.36	1/41.09
POLY-3 PERCENT (g)	2.3%	0%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	659	---	---	687
HC TUMORS SAME ROUTE	3/150 (2%)			
HC TUMORS ALL ROUTES	12/1338 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.542	P=0.517N	P=0.512N	P=0.746
POLY 1.5	P=0.540	P=0.508N	P=0.509N	P=0.751
POLY 6	P=0.545	P=0.526N	P=0.515N	P=0.741
COCH-ARM / FISHERS	P=0.541	P=0.500N	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.405	P=0.179N	P=0.172N	P=0.481
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Tongue				
Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	1/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Tongue				
Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	1/40.93
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	7/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.211	(e)	(e)	P=0.487
POLY 1.5	P=0.212	(e)	(e)	P=0.492
POLY 6	P=0.210	(e)	(e)	P=0.483
COCH-ARM / FISHERS	P=0.215	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	10/50 (20%)	8/50 (16%)	18/50 (36%)	7/50 (14%)
POLY-3 RATE (b)	10/45.15	8/41.62	18/43.90	7/42.09
POLY-3 PERCENT (g)	22.2%	19.2%	41%	16.6%
TERMINAL (d)	5/30 (17%)	5/24 (21%)	11/27 (41%)	3/26 (12%)
FIRST INCIDENCE	426	493	554	493
HC TUMORS SAME ROUTE	17/150 (11%)			
HC TUMORS ALL ROUTES	241/1350 (18%)			
STATISTICAL TESTS				
POLY 3	P=0.319N	P=0.472N	P=0.042*	P=0.352N
POLY 1.5	P=0.309N	P=0.435N	P=0.047*	P=0.333N
POLY 6	P=0.329N	P=0.513N	P=0.039*	P=0.373N
COCH-ARM / FISHERS	P=0.281N	P=0.398N	P=0.059	P=0.298N
MAX-ISO-POLY-3	P=0.195N	P=0.372N	P=0.027*	P=0.265N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	10/50 (20%)	9/50 (18%)	18/50 (36%)	7/50 (14%)
POLY-3 RATE (b)	10/45.15	9/41.62	18/43.90	7/42.09
POLY-3 PERCENT (g)	22.2%	21.6%	41%	16.6%
TERMINAL (d)	5/30 (17%)	6/24 (25%)	11/27 (41%)	3/26 (12%)
FIRST INCIDENCE	426	493	554	493
HC TUMORS SAME ROUTE	19/150 (13%)			
HC TUMORS ALL ROUTES	250/1350 (19%)			
STATISTICAL TESTS				
POLY 3	P=0.283N	P=0.580N	P=0.042*	P=0.352N
POLY 1.5	P=0.274N	P=0.541N	P=0.047*	P=0.333N
POLY 6	P=0.294N	P=0.585	P=0.039*	P=0.373N
COCH-ARM / FISHERS	P=0.247N	P=0.500N	P=0.059	P=0.298N
MAX-ISO-POLY-3	P=0.173N	P=0.476N	P=0.027*	P=0.265N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Zymbal's Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	7/1350 (1%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	2/43.50	0/40.93
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	453	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	11/1350 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.706N	(e)	P=0.236	(e)
POLY 1.5	P=0.704N	(e)	P=0.237	(e)
POLY 6	P=0.708N	(e)	P=0.237	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.265	(e)	P=0.076	(e)
HISTCONT SAME RTE	(h)	(e)	(h)	(e)
HISTCONT ALL RTEs	(h)	(e)	(h)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated				
TUMOR RATES	#	#	#	#
OVERALL (a)	18/50 (36%)	11/50 (22%)	9/50 (18%)	13/50 (26%)
POLY-3 RATE (b)	18/45.01	11/41.61	9/43.04	13/42.51
POLY-3 PERCENT (g)	40%	26.4%	20.9%	30.6%
TERMINAL (d)	12/30 (40%)	6/24 (25%)	4/27 (15%)	7/26 (27%)
FIRST INCIDENCE	554	562	632	493
HC TUMORS SAME ROUTE	31/150 (21%)			
HC TUMORS ALL ROUTES	288/1350 (21%)			
STATISTICAL TESTS				
POLY 3	P=0.372N	P=0.130N	P=0.040N*	P=0.241N
POLY 1.5	P=0.373N	P=0.109N	P=0.037N*	P=0.224N
POLY 6	P=0.368N	P=0.156N	P=0.042N*	P=0.256N
COCH-ARM / FISHERS	P=0.359N	P=0.093N	P=0.035N*	P=0.194N
MAX-ISO-POLY-3	P=0.117N	P=0.096N	P=0.026N*	P=0.183N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Mesothelioma: Benign, Malignant, NOS				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	5/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Mesothelioma: Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	4/1350 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	47/50 (94%)	42/50 (84%)	40/50 (80%)	43/50 (86%)
POLY-3 RATE (b)	47/49.00	42/48.08	40/46.27	43/46.79
POLY-3 PERCENT (g)	95.9%	87.4%	86.5%	91.9%
TERMINAL (d)	28/30 (93%)	21/24 (88%)	24/27 (89%)	24/26 (92%)
FIRST INCIDENCE	426	493	455	470
HC TUMORS SAME ROUTE	127/150 (85%)			
HC TUMORS ALL ROUTES	1176/1350 (87%)			
STATISTICAL TESTS				
POLY 3	P=0.551N	P=0.112N	P=0.083N	P=0.337N
POLY 1.5	P=0.486N	P=0.081N	P=0.048N*	P=0.244N
POLY 6	P=0.566	P=0.163N	P=0.166N	P=0.464N
COCH-ARM / FISHERS	P=0.341N	P=0.100N	P=0.036N*	P=0.159N
MAX-ISO-POLY-3	P=0.158N	P=0.056N	P=0.042N*	P=0.196N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	22/50 (44%)	18/50 (36%)	18/50 (36%)	20/50 (40%)
POLY-3 RATE (b)	22/45.65	18/43.16	18/44.75	20/44.17
POLY-3 PERCENT (g)	48.2%	41.7%	40.2%	45.3%
TERMINAL (d)	13/30 (43%)	10/24 (42%)	9/27 (33%)	9/26 (35%)
FIRST INCIDENCE	554	493	453	306
HC TUMORS SAME ROUTE	56/150 (37%)			
HC TUMORS ALL ROUTES	491/1350 (36%)			
STATISTICAL TESTS				
POLY 3	P=0.542N	P=0.342N	P=0.289N	P=0.474N
POLY 1.5	P=0.540N	P=0.301N	P=0.280N	P=0.451N
POLY 6	P=0.545N	P=0.388N	P=0.296N	P=0.497N
COCH-ARM / FISHERS	P=0.525N	P=0.270N	P=0.270N	P=0.420N
MAX-ISO-POLY-3	P=0.465N	P=0.272N	P=0.223N	P=0.390N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	49/50 (98%)	47/50 (94%)	45/50 (90%)	46/50 (92%)
POLY-3 RATE (b)	49/49.00	47/49.05	45/47.66	46/48.05
POLY-3 PERCENT (g)	100%	95.8%	94.4%	95.7%
TERMINAL (d)	30/30 (100%)	23/24 (96%)	26/27 (96%)	25/26 (96%)
FIRST INCIDENCE	426	493	453	306
HC TUMORS SAME ROUTE	140/150 (93%)			
HC TUMORS ALL ROUTES	1271/1350 (94%)			
STATISTICAL TESTS				
POLY 3	P=0.319N	P=0.218N	P=0.108N	P=0.195N
POLY 1.5	P=0.281N	P=0.177N	P=0.076N	P=0.152N
POLY 6	P=0.403N	P=0.253N	P=0.195N	P=0.289N
COCH-ARM / FISHERS	P=0.236N	P=0.309N	P=0.102N	P=0.181N
MAX-ISO-POLY-3	P=0.116N	P=0.064N	P=0.026N*	P=0.049N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 95003 - 05
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Species/Strain: RATS/F 344/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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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.
 - (h) Value of Historical Controls statistic is only calculated when Poly-3 trend is positive and when there is more than one tumor in the treatment groups.
 - (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 ***