

Experiment Number: 99037 - 03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 09/20/2016
Time Report Requested: 11:43:53
First Dose M/F: 08/13/02 / 08/12/02
Lab: SRI

NTP Study Number: C99037B
Lock Date: 04/04/2003
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ALPHA/BETA THUJONE MIXTURE

MALE RATS

Organ

Brain

Kidney

Liver

Lung

Pituitary Gland: Pars Distalis

Pituitary Gland: Rathke's Cleft

Salivary Glands: Parotid Gland

Spleen

Thymus

Morphology

Congestion

Hemorrhage

Nephropathy

Hepatodiaphragmatic Nodule

Inflammation Chronic

Vacuolization Cytoplasmic

Congestion

Hemorrhage

Atrophy

Dilatation

Basophilic Focus

Congestion

Hemorrhage

FEMALE RATS

Organ

Brain

Kidney

Kidney: Renal Tubule

Liver

Lung

Lymph Node: Pancreatic

Ovary

Pituitary Gland: Pars Distalis

Pituitary Gland: Rathke's Cleft

Salivary Glands: Parotid Gland

Stomach, Glandular

Morphology

Congestion

Hemorrhage

Pigmentation

Nephropathy

Mineralization

Hepatodiaphragmatic Nodule

Inflammation Chronic

Congestion

Hemorrhage

Hemorrhage

Cyst

Atrophy

Dilatation

Basophilic Focus

Edema

Hemorrhage

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF ALPHA/BETA THUJONE MIXTURE

Thymus

Uterus

Hemorrhage

Dilatation

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	10%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.502N	(e)	P=0.500	(e)	(e)	(e)
POLY 1.5	P=0.471N	(e)	P=0.500	(e)	(e)	(e)
POLY 6	P=0.541N	(e)	P=0.500	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.429N	(e)	P=0.500	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.602N	(e)	P=0.158	(e)	(e)	(e)

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Adrenal Cortex Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/8.45	1/7.76
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	12.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	84
STATISTICAL TESTS						
POLY 3	P=0.135	(e)	(e)	P=0.500	(e)	P=0.449
POLY 1.5	P=0.142	(e)	(e)	P=0.500	(e)	P=0.471
POLY 6	P=0.134	(e)	(e)	P=0.500	(e)	P=0.418
COCH-ARM / FISHERS	P=0.153	(e)	(e)	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.201	(e)	(e)	P=0.158	(e)	P=0.155

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/10.00	6/9.53
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%	63%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	56	56
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.227	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.227	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.227	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.237	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.067	P<0.001**

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/10.00	4/8.52
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%	47%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	56	84
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.227	P=0.017*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.227	P=0.022*
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.227	P=0.012*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.237	P=0.043*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.067	P=0.005**

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain Pigmentation						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.207N	P=0.500N	P=0.500N	P=0.500N	P=0.533N	P=0.556N
POLY 1.5	P=0.199N	P=0.500N	P=0.500N	P=0.500N	P=0.522N	P=0.532N
POLY 6	P=0.215N	P=0.500N	P=0.500N	P=0.500N	P=0.541N	P=0.593N
COCH-ARM / FISHERS	P=0.185N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.179N	P=0.158N	P=0.158N	P=0.158N	P=0.198N	P=0.226N

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Harderian Gland Hemorrhage						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.533N	P=0.556N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.522N	P=0.532N
POLY 6	(e)	(e)	(e)	(e)	P=0.541N	P=0.593N
COCH-ARM / FISHERS	P=0.136N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.198N	P=0.226N

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Harderian Gland Inflammation Acute						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.533N	P=0.556N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.522N	P=0.532N
POLY 6	(e)	(e)	(e)	(e)	P=0.541N	P=0.593N
COCH-ARM / FISHERS	P=0.136N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.198N	P=0.226N

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	6/10 (60%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/10 (80%)	2/10 (20%)
POLY-3 RATE (b)	6/10.00	0/0.00	0/0.00	0/0.00	8/9.23	2/8.02
POLY-3 PERCENT (g)	60%	0%	0%	0%	86.7%	24.9%
TERMINAL (d)	6/10 (60%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	7/8 (88%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	56	84
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.211	P=0.151N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.244	P=0.114N
POLY 6	(e)	(e)	(e)	(e)	P=0.189	P=0.218N
COCH-ARM / FISHERS	P=0.149N	(e)	(e)	(e)	P=0.314	P=0.085N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.102	P=0.084N

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Intestine Large, Cecum Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/9 (11%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	1/6.76
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	14.8%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	92
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.423
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.447
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.388
COCH-ARM / FISHERS	P=0.232	(e)	(e)	(e)	(e)	P=0.474
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.146

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Intestine Large, Cecum Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/9 (11%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	1/6.76
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	14.8%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	92
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.423
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.447
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.388
COCH-ARM / FISHERS	P=0.232	(e)	(e)	(e)	(e)	P=0.474
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.146

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Intestine Large, Colon Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.22	0/6.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL (a)	8/10 (80%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	9/10 (90%)	9/10 (90%)
POLY-3 RATE (b)	8/10.00	10/10.00	10/10.00	10/10.00	9/9.23	9/9.76
POLY-3 PERCENT (g)	80%	100%	100%	100%	97.5%	92.2%
TERMINAL (d)	8/10 (80%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	8/8 (100%)	2/2 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	56	56
STATISTICAL TESTS						
POLY 3	P=0.341	P=0.227	P=0.227	P=0.227	P=0.310	P=0.448
POLY 1.5	P=0.437	P=0.227	P=0.227	P=0.227	P=0.376	P=0.473
POLY 6	P=0.229	P=0.227	P=0.227	P=0.227	P=0.265	P=0.403
COCH-ARM / FISHERS	P=0.573	P=0.237	P=0.237	P=0.237	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.047*	P=0.067	P=0.067	P=0.067	P=0.119	P=0.221

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney: Renal Tubule Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney: Renal Tubule Mineralization						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/10 (10%)	2/10 (20%)	1/10 (10%)	1/10 (10%)	3/10 (30%)
POLY-3 RATE (b)	1/10.00	1/10.00	2/10.00	1/10.00	1/9.22	3/7.76
POLY-3 PERCENT (g)	10%	10%	20%	10%	10.9%	38.7%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	2/10 (20%)	1/10 (10%)	0/8 (0%)	2/2 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	57	84
STATISTICAL TESTS						
POLY 3	P=0.175	P=0.760	P=0.500	P=0.760	P=0.742	P=0.195
POLY 1.5	P=0.185	P=0.760	P=0.500	P=0.760	P=0.748	P=0.235
POLY 6	P=0.174	P=0.760	P=0.500	P=0.760	P=0.738	P=0.144
COCH-ARM / FISHERS	P=0.202	P=0.763N	P=0.500	P=0.763N	P=0.763N	P=0.291
MAX-ISO-POLY-3	P=0.156	P=1.000	P=0.274	P=1.000	P=0.477	P=0.100

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney: Renal Tubule Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	P=0.123	(e)	(e)	(e)	(e)	P=0.449
POLY 1.5	P=0.113	(e)	(e)	(e)	(e)	P=0.471
POLY 6	P=0.148	(e)	(e)	(e)	(e)	P=0.417
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Clear Cell Focus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.00	0/0.00	0/2.00	1/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	0%
TERMINAL (d)	0/10 (0%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.466	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.478	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.458	(e)
COCH-ARM / FISHERS	P=0.417	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.156	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL (a)	3/10 (30%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	2/10 (20%)	1/10 (10%)
POLY-3 RATE (b)	3/10.00	0/3.00	0/0.00	0/2.00	2/9.23	1/8.27
POLY-3 PERCENT (g)	30%	0%	0%	0%	21.7%	12.1%
TERMINAL (d)	3/10 (30%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	56	56
STATISTICAL TESTS						
POLY 3	(e)	P=0.386N	(e)	P=0.500N	P=0.540N	P=0.366N
POLY 1.5	(e)	P=0.386N	(e)	P=0.500N	P=0.526N	P=0.329N
POLY 6	(e)	P=0.386N	(e)	P=0.500N	P=0.549N	P=0.433N
COCH-ARM / FISHERS	P=0.254N	P=0.420N	(e)	P=0.545N	P=0.500N	P=0.291N
MAX-ISO-POLY-3	(e)	P=0.199N	(e)	P=0.255N	P=0.350N	P=0.205N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL (a)	4/10 (40%)	3/3 (100%)	0/0 (0%)	1/2 (50%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	4/10.00	3/3.00	0/0.00	1/2.00	1/9.22	2/8.16
POLY-3 PERCENT (g)	40%	100%	0%	50%	10.9%	24.5%
TERMINAL (d)	4/10 (40%)	3/3 (100%)	0/0 (0%)	1/2 (50%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	93 (T)	---	93 (T)	57	77
STATISTICAL TESTS						
POLY 3	(e)	P=0.106	(e)	P=0.684	P=0.174N	P=0.425N
POLY 1.5	(e)	P=0.106	(e)	P=0.684	P=0.165N	P=0.377N
POLY 6	(e)	P=0.106	(e)	P=0.684	P=0.181N	P=0.496N
COCH-ARM / FISHERS	P=0.027N*	P=0.122	(e)	P=0.682	P=0.152N	P=0.314N
MAX-ISO-POLY-3	(e)	P=0.058	(e)	P=0.426	P=0.080N	P=0.269N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/3 (0%)	0/0 (0%)	1/2 (50%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/3.00	0/0.00	1/2.00	1/8.45	1/7.49
POLY-3 PERCENT (g)	0%	0%	0%	50%	11.8%	13.4%
TERMINAL (d)	0/10 (0%)	0/3 (0%)	0/0 (0%)	1/2 (50%)	1/8 (13%)	1/2 (50%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.124	P=0.466	P=0.443
POLY 1.5	(e)	(e)	(e)	P=0.124	P=0.478	P=0.468
POLY 6	(e)	(e)	(e)	P=0.124	P=0.458	P=0.405
COCH-ARM / FISHERS	P=0.230	(e)	(e)	P=0.167	P=0.500	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.013*	P=0.156	P=0.154

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.00	0/0.00	0/2.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	5/10 (50%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	3/10 (30%)	0/10 (0%)
POLY-3 RATE (b)	5/10.00	0/3.00	0/0.00	0/2.00	3/9.23	0/7.49
POLY-3 PERCENT (g)	50%	0%	0%	0%	32.5%	0%
TERMINAL (d)	5/10 (50%)	0/3 (0%)	0/0 (0%)	0/2 (0%)	2/8 (25%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	56	---
STATISTICAL TESTS						
POLY 3	(e)	P=0.183N	(e)	P=0.303N	P=0.381N	P=0.027N*
POLY 1.5	(e)	P=0.183N	(e)	P=0.303N	P=0.363N	P=0.016N*
POLY 6	(e)	P=0.183N	(e)	P=0.303N	P=0.394N	P=0.055N
COCH-ARM / FISHERS	P=0.030N*	P=0.196N	(e)	P=0.318N	P=0.325N	P=0.016N*
MAX-ISO-POLY-3	(e)	P=0.099N	(e)	P=0.158N	P=0.234N	P=0.013N*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/9.23	8/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10.8%	80%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	56	56
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.484	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.489	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P=0.480	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.500	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.157	P<0.001**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung Hemorrhage						
LESION RATES						
OVERALL (a)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	0/10 (0%)
POLY-3 RATE (b)	7/10.00	0/0.00	0/0.00	0/0.00	4/9.23	0/7.49
POLY-3 PERCENT (g)	70%	0%	0%	0%	43.3%	0%
TERMINAL (d)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	56	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.238N	P<0.001N**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.219N	P<0.001N**
POLY 6	(e)	(e)	(e)	(e)	P=0.254N	P=0.004N**
COCH-ARM / FISHERS	P=0.002N**	(e)	(e)	(e)	P=0.185N	P=0.002N**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.130N	P<0.001N**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung						
Inflammation Acute						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.449
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.471
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.417
COCH-ARM / FISHERS	P=0.243	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

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First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.533N	P=0.556N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.522N	P=0.532N
POLY 6	(e)	(e)	(e)	(e)	P=0.541N	P=0.593N
COCH-ARM / FISHERS	P=0.136N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.198N	P=0.226N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung: Alveolus Infiltration Cellular Focal Histiocyte						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node Hemorrhage						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/1.50
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

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First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node						
Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/2 (50%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	1/1.74
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	57.6%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node: Pancreatic Hemorrhage						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/2 (50%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	1/1.76
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	56.7%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	84
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node: Pancreatic Infiltration Cellular Histiocyte						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/1.50
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Mesentery						
Accessory Spleen						
LESION RATES						
OVERALL (a)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%	0%
TERMINAL (d)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Nose: Olfactory Epithelium Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.466	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.478	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.458	(e)
COCH-ARM / FISHERS	P=0.460	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.156	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pancreas Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.449
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.471
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.417
COCH-ARM / FISHERS	P=0.243	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pancreas						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

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Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pancreas: Acinus						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/9.23	2/8.02
POLY-3 PERCENT (g)	0%	0%	0%	0%	10.8%	24.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	56	84
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.484	P=0.175
POLY 1.5	(e)	(e)	(e)	(e)	P=0.489	P=0.196
POLY 6	(e)	(e)	(e)	(e)	P=0.480	P=0.149
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.157	P=0.062

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland						
Angiectasis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00	0/10.00	1/9.22	1/7.76
POLY-3 PERCENT (g)	0%	0%	0%	0%	10.9%	12.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	57	84
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.484	P=0.449
POLY 1.5	(e)	(e)	(e)	(e)	P=0.489	P=0.471
POLY 6	(e)	(e)	(e)	(e)	P=0.480	P=0.418
COCH-ARM / FISHERS	P=0.101	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.157	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00	0/10.00	1/9.22	2/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	10.9%	25.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	1/2 (50%)
FIRST INCIDENCE	---	---	---	---	57	85
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.484	P=0.168
POLY 1.5	(e)	(e)	(e)	(e)	P=0.489	P=0.192
POLY 6	(e)	(e)	(e)	(e)	P=0.480	P=0.136
COCH-ARM / FISHERS	P=0.029*	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.157	P=0.061

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00	0/10.00	0/8.45	1/7.92
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	77
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.454
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.474
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.424
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/10.00	0/10.00	0/8.45	1/7.92
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	77
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.454
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.474
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.424
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Rathke's Cleft Dilatation						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	4/10 (40%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/10.00	1/10.00	3/9.22	4/8.19
POLY-3 PERCENT (g)	10%	0%	0%	10%	32.5%	48.8%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	2/8 (25%)	1/2 (50%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	57	77
STATISTICAL TESTS						
POLY 3	(e)	(e)	P=0.500N	P=0.760	P=0.260	P=0.085
POLY 1.5	(e)	(e)	P=0.500N	P=0.760	P=0.270	P=0.109
POLY 6	(e)	(e)	P=0.500N	P=0.760	P=0.253	P=0.057
COCH-ARM / FISHERS	P=0.013*	(e)	P=0.500N	P=0.763N	P=0.291	P=0.152
MAX-ISO-POLY-3	(e)	(e)	P=0.158N	P=1.000	P=0.124	P=0.039*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Prostate						
Infiltration Cellular Mixed Cell						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.533N	P=0.556N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.522N	P=0.532N
POLY 6	(e)	(e)	(e)	(e)	P=0.541N	P=0.593N
COCH-ARM / FISHERS	P=0.136N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.198N	P=0.226N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gland						
Basophilic Focus						
LESION RATES						
OVERALL (a)	9/10 (90%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	5/10 (50%)
POLY-3 RATE (b)	9/10.00	0/0.00	0/0.00	0/0.00	4/9.23	5/8.83
POLY-3 PERCENT (g)	90%	0%	0%	0%	43.3%	56.6%
TERMINAL (d)	9/10 (90%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)	1/2 (50%)
FIRST INCIDENCE	93 (T)	---	---	---	56	56
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.031N*	P=0.108N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.025N*	P=0.082N
POLY 6	(e)	(e)	(e)	(e)	P=0.037N*	P=0.178N
COCH-ARM / FISHERS	P=0.019N*	(e)	(e)	(e)	P=0.029N*	P=0.070N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.010N**	P=0.043N*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gland						
Necrosis Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spinal Cord Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/2 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spleen Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spleen Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	4/8.52
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	47%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	84
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.017*
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.022*
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.012*
COCH-ARM / FISHERS	P=0.026*	(e)	(e)	(e)	(e)	P=0.043*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.005**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spleen						
Pigmentation Hemosiderin						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.449
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.471
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.417
COCH-ARM / FISHERS	P=0.243	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Forestomach Degeneration Cystic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	12.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	85
STATISTICAL TESTS						
POLY 3	P=0.060	(e)	(e)	(e)	P=0.466	P=0.449
POLY 1.5	P=0.062	(e)	(e)	(e)	P=0.478	P=0.471
POLY 6	P=0.061	(e)	(e)	(e)	P=0.458	P=0.417
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.111	(e)	(e)	(e)	P=0.156	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Forestomach Edema						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Forestomach Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	12.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	85
STATISTICAL TESTS						
POLY 3	P=0.060	(e)	(e)	(e)	P=0.466	P=0.449
POLY 1.5	P=0.062	(e)	(e)	(e)	P=0.478	P=0.471
POLY 6	P=0.061	(e)	(e)	(e)	P=0.458	P=0.417
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.111	(e)	(e)	(e)	P=0.156	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Edema						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	12.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	85
STATISTICAL TESTS						
POLY 3	P=0.060	(e)	(e)	(e)	P=0.466	P=0.449
POLY 1.5	P=0.062	(e)	(e)	(e)	P=0.478	P=0.471
POLY 6	P=0.061	(e)	(e)	(e)	P=0.458	P=0.417
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.111	(e)	(e)	(e)	P=0.156	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular						
Erosion Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	1/7.52
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	13.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	92
STATISTICAL TESTS						
POLY 3	P=0.127	(e)	(e)	(e)	(e)	P=0.444
POLY 1.5	P=0.114	(e)	(e)	(e)	(e)	P=0.469
POLY 6	P=0.159	(e)	(e)	(e)	(e)	P=0.406
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.154

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/8.45	1/7.52
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	13.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	92
STATISTICAL TESTS						
POLY 3	P=0.060	(e)	(e)	(e)	P=0.466	P=0.444
POLY 1.5	P=0.061	(e)	(e)	(e)	P=0.478	P=0.469
POLY 6	P=0.062	(e)	(e)	(e)	P=0.458	P=0.406
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.110	(e)	(e)	(e)	P=0.156	P=0.154

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Infiltration Cellular Eosinophil						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	93 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.262	(e)	(e)	(e)	P=0.466	(e)
POLY 1.5	P=0.279	(e)	(e)	(e)	P=0.478	(e)
POLY 6	P=0.234	(e)	(e)	(e)	P=0.458	(e)
COCH-ARM / FISHERS	P=0.295	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.383	(e)	(e)	(e)	P=0.156	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Mineralization						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Pigmentation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.45	1/7.73
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	P=0.123	(e)	(e)	(e)	(e)	P=0.449
POLY 1.5	P=0.113	(e)	(e)	(e)	(e)	P=0.471
POLY 6	P=0.148	(e)	(e)	(e)	(e)	P=0.417
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.155

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/8.45	1/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.8%	13.4%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)	1/2 (50%)
FIRST INCIDENCE	---	---	---	---	93 (T)	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.060	(e)	(e)	(e)	P=0.466	P=0.443
POLY 1.5	P=0.061	(e)	(e)	(e)	P=0.478	P=0.468
POLY 6	P=0.062	(e)	(e)	(e)	P=0.458	P=0.405
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.110	(e)	(e)	(e)	P=0.156	P=0.154

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Thymus Hemorrhage						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	6/10 (60%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	4/10.00	6/9.53
POLY-3 PERCENT (g)	10%	0%	0%	0%	40%	63%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	56	56
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.148	P=0.012*
POLY 1.5	(e)	(e)	(e)	(e)	P=0.148	P=0.015*
POLY 6	(e)	(e)	(e)	(e)	P=0.148	P=0.009**
COCH-ARM / FISHERS	P=0.014*	(e)	(e)	(e)	P=0.152	P=0.029*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.059	P=0.004**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Thyroid Gland						
Ectopic Thymus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/8.45	0/7.49
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Males					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Thyroid Gland						
Ultimobranchial Cyst						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/8.45	1/7.73
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	12.9%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	0/2 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	85
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.533N	P=0.701
POLY 1.5	(e)	(e)	(e)	(e)	P=0.522N	P=0.728
POLY 6	(e)	(e)	(e)	(e)	P=0.541N	P=0.658
COCH-ARM / FISHERS	P=0.471N	(e)	(e)	(e)	P=0.500N	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.198N	P=0.435

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Adrenal Cortex Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	3/5.77	8/9.03
POLY-3 PERCENT (g)	0%	0%	0%	0%	52%	88.6%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	44	17
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.024*	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.038*	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.018*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.105	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.014*	P<0.001**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	4/7.45	3/6.52
POLY-3 PERCENT (g)	0%	0%	0%	0%	53.7%	46%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	43	29
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.009**	P=0.033*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.014*	P=0.044*
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.005**	P=0.026*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.043*	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.004**	P=0.016*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain Pigmentation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	6/10 (60%)	5/10 (50%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	6/10.00	5/5.73	4/4.81
POLY-3 PERCENT (g)	0%	0%	10%	60%	87.3%	83.2%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	6/10 (60%)	2/2 (100%)	1/1 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	57	81
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**	P=0.002**
POLY 6	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.005**	P=0.016*	P=0.043*
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 99037 - 03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 09/20/2016
 Time Report Requested: 11:43:53
 First Dose M/F: 08/13/02 / 08/12/02
 Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Harderian Gland Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Harderian Gland Inflammation Acute						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	1/10.00	0/3.99	2/6.07
POLY-3 PERCENT (g)	20%	0%	0%	10%	0%	32.9%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	---	37
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.462N	P=0.505
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.372N	P=0.559
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.527N	P=0.450
COCH-ARM / FISHERS	P=0.404N	(e)	(e)	P=0.500N	P=0.237N	P=0.709N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.274N	P=0.276N	P=0.331

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Intestine Large, Cecum Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.20	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Intestine Large, Cecum Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.20	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Intestine Large, Colon Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/4.75	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	21.1%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	58	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.364	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.408	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.335	(e)
COCH-ARM / FISHERS	P=0.432	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	2/10 (20%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	3/10.00	2/4.76	3/5.53
POLY-3 PERCENT (g)	0%	0%	10%	30%	42%	54.2%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	1/2 (50%)	1/1 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	57	17
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.500	P=0.095	P=0.094	P=0.021*
POLY 1.5	P<0.001**	(e)	P=0.500	P=0.095	P=0.128	P=0.033*
POLY 6	P<0.001**	(e)	P=0.500	P=0.095	P=0.074	P=0.015*
COCH-ARM / FISHERS	P=0.012*	(e)	P=0.500	P=0.105	P=0.237	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P=0.024*	P=0.051	P=0.013*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney: Renal Tubule Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	1/5.14
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	19.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	37
STATISTICAL TESTS						
POLY 3	P=0.146	(e)	(e)	(e)	(e)	P=0.376
POLY 1.5	P=0.128	(e)	(e)	(e)	(e)	P=0.407
POLY 6	P=0.178	(e)	(e)	(e)	(e)	P=0.350
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.072	(e)	(e)	(e)	(e)	P=0.150

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney: Renal Tubule Mineralization						
LESION RATES						
OVERALL (a)	3/10 (30%)	8/10 (80%)	8/10 (80%)	8/10 (80%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	3/10.00	8/10.00	8/10.00	8/10.00	10/10.00	9/9.01
POLY-3 PERCENT (g)	30%	80%	80%	80%	100%	99.9%
TERMINAL (d)	3/10 (30%)	8/10 (80%)	8/10 (80%)	8/10 (80%)	2/2 (100%)	1/1 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	43	29
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.024*	P=0.024*	P=0.024*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.024*	P=0.024*	P=0.024*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.024*	P=0.024*	P=0.024*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.035*	P=0.035*	P=0.035*	P=0.002**	P=0.010**
MAX-ISO-POLY-3	P<0.001**	P=0.007**	P=0.007**	P=0.007**	P<0.001**	P<0.001**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Kidney: Renal Tubule Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/4.75	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	21.1%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	58	---
STATISTICAL TESTS						
POLY 3	P=0.324	(e)	(e)	(e)	P=0.364	(e)
POLY 1.5	P=0.279	(e)	(e)	(e)	P=0.408	(e)
POLY 6	P=0.373	(e)	(e)	(e)	P=0.335	(e)
COCH-ARM / FISHERS	P=0.295	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.380	(e)	(e)	(e)	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Clear Cell Focus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/2.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 09/20/2016
 Time Report Requested: 11:43:53
 First Dose M/F: 08/13/02 / 08/12/02
 Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL (a)	2/10 (20%)	0/1 (0%)	0/2 (0%)	4/10 (40%)	2/10 (20%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	0/1.00	0/2.00	4/10.00	2/5.65	1/4.20
POLY-3 PERCENT (g)	20%	0%	0%	40%	35.4%	23.8%
TERMINAL (d)	2/10 (20%)	0/1 (0%)	0/2 (0%)	4/10 (40%)	0/2 (0%)	1/1 (100%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	43	93 (T)
STATISTICAL TESTS						
POLY 3	P=0.227	P=0.786N	P=0.627N	P=0.318	P=0.476	P=0.672
POLY 1.5	P=0.336	P=0.786N	P=0.627N	P=0.318	P=0.557	P=0.700N
POLY 6	P=0.163	P=0.786N	P=0.627N	P=0.318	P=0.415	P=0.608
COCH-ARM / FISHERS	P=0.413N	P=0.818N	P=0.682N	P=0.314	P=0.709N	P=0.500N
MAX-ISO-POLY-3	P=0.418	P=0.368N	P=0.308N	P=0.171	P=0.312	P=0.460

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/1 (100%)	2/2 (100%)	2/10 (20%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	1/1.00	2/2.00	2/10.00	1/4.89	0/4.20
POLY-3 PERCENT (g)	10%	100%	100%	20%	20.5%	0%
TERMINAL (d)	1/10 (10%)	1/1 (100%)	2/2 (100%)	2/10 (20%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	44	---
STATISTICAL TESTS						
POLY 3	P=0.437N	P=0.146	P=0.005**	P=0.500	P=0.586	P=0.647N
POLY 1.5	P=0.267N	P=0.146	P=0.005**	P=0.500	P=0.653	P=0.611N
POLY 6	P=0.576N	P=0.146	P=0.005**	P=0.500	P=0.531	P=0.673N
COCH-ARM / FISHERS	P=0.078N	P=0.182	P=0.045*	P=0.500	P=0.763N	P=0.500N
MAX-ISO-POLY-3	P=0.309N	P=0.022*	P=0.002**	P=0.274	P=0.353	P=0.337N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	6/10 (60%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	6/10.00	0/1.00	0/2.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	60%	0%	0%	0%	0%	0%
TERMINAL (d)	6/10 (60%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P<0.001N**	P=0.463N	P=0.215N	P<0.001N**	P=0.097N	P=0.086N
POLY 1.5	P<0.001N**	P=0.463N	P=0.215N	P<0.001N**	P=0.026N*	P=0.034N*
POLY 6	P<0.001N**	P=0.463N	P=0.215N	P<0.001N**	P=0.199N	P=0.153N
COCH-ARM / FISHERS	P<0.001N**	P=0.455N	P=0.227N	P=0.005N**	P=0.005N**	P=0.005N**
MAX-ISO-POLY-3	P<0.001N**	P=0.204N	P=0.110N	P<0.001N**	P=0.080N	P=0.072N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/2.00	0/10.00	1/4.75	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	21.1%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	58	---
STATISTICAL TESTS						
POLY 3	P=0.387	(e)	(e)	(e)	P=0.364	(e)
POLY 1.5	P=0.359	(e)	(e)	(e)	P=0.408	(e)
POLY 6	P=0.421	(e)	(e)	(e)	P=0.335	(e)
COCH-ARM / FISHERS	P=0.405	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.453	(e)	(e)	(e)	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Liver						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/2.00	0/10.00	2/4.96	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	40.3%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/2 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	58	---
STATISTICAL TESTS						
POLY 3	P=0.194	(e)	(e)	(e)	P=0.099	(e)
POLY 1.5	P=0.184	(e)	(e)	(e)	P=0.131	(e)
POLY 6	P=0.205	(e)	(e)	(e)	P=0.082	(e)
COCH-ARM / FISHERS	P=0.278	(e)	(e)	(e)	P=0.237	(e)
MAX-ISO-POLY-3	P=0.282	(e)	(e)	(e)	P=0.052	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	2/10 (20%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	2/4.88	4/7.28
POLY-3 PERCENT (g)	0%	0%	0%	0%	41%	55%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	64	17
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.097	P=0.008**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.129	P=0.012*
POLY 6	(e)	(e)	(e)	(e)	P=0.081	P=0.005**
COCH-ARM / FISHERS	P=0.008**	(e)	(e)	(e)	P=0.237	P=0.043*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.052	P=0.004**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung Hemorrhage						
LESION RATES						
OVERALL (a)	8/10 (80%)	0/0 (0%)	0/0 (0%)	3/10 (30%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	8/10.00	0/0.00	0/0.00	3/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	80%	0%	0%	30%	0%	0%
TERMINAL (d)	8/10 (80%)	0/0 (0%)	0/0 (0%)	3/10 (30%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.024N*	P=0.014N*	P=0.012N*
POLY 1.5	(e)	(e)	(e)	P=0.024N*	P<0.001N**	P<0.001N**
POLY 6	(e)	(e)	(e)	P=0.024N*	P=0.075N	P=0.041N*
COCH-ARM / FISHERS	P<0.001N**	(e)	(e)	P=0.035N*	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.007N**	P=0.016N*	P=0.014N*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung						
Inflammation Acute						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

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First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung: Alveolus						
Infiltration Cellular Focal Histiocyte						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	1/3.99	0/4.20
POLY-3 PERCENT (g)	10%	0%	0%	0%	25.1%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/2 (50%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	93 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.538	P=0.647N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.624	P=0.611N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.473	P=0.673N
COCH-ARM / FISHERS	P=0.312N	(e)	(e)	P=0.500N	P=0.763N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N	P=0.328	P=0.337N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node Hemorrhage						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/1 (0%)	1/3 (33%)	1/2 (50%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/1.00	1/3.00	1/2.00	0/0.00	0/0.94
POLY-3 PERCENT (g)	0%	0%	33.3%	50%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	1/3 (33%)	1/2 (50%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.565N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node						
Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/3 (0%)	0/2 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/3.00	0/2.00	0/0.00	0/0.94
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/3 (0%)	0/2 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	93 (T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.263N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	1/4.20	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	23.8%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	86	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	P=0.347	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	P=0.396	(e)
POLY 6	(e)	(e)	(e)	P=0.500	P=0.316	(e)
COCH-ARM / FISHERS	P=0.500	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158	P=0.147	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node: Pancreatic Hemorrhage						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/1 (0%)	0/3 (0%)	2/2 (100%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/1.00	0/3.00	2/2.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	100%	0%	100%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/3 (0%)	2/2 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	91
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.036*	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lymph Node: Pancreatic Infiltration Cellular Histiocyte						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/1 (0%)	2/3 (67%)	0/2 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/1.00	2/3.00	0/2.00	0/0.00	0/0.94
POLY-3 PERCENT (g)	0%	0%	66.7%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	2/3 (67%)	0/2 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.274N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Mesentery						
Accessory Spleen						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Nose: Olfactory Epithelium Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Ovary Cyst						
LESION RATES						
OVERALL (a)	2/10 (20%)	2/10 (20%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	2/10.00	0/10.00	1/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	20%	20%	0%	10%	0%	0%
TERMINAL (d)	2/10 (20%)	2/10 (20%)	0/10 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	93 (T)	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.151N	P=0.702	P=0.227N	P=0.500N	P=0.462N	P=0.450N
POLY 1.5	P=0.110N	P=0.702	P=0.227N	P=0.500N	P=0.372N	P=0.385N
POLY 6	P=0.183N	P=0.702	P=0.227N	P=0.500N	P=0.527N	P=0.502N
COCH-ARM / FISHERS	P=0.041N*	P=0.709N	P=0.237N	P=0.500N	P=0.237N	P=0.237N
MAX-ISO-POLY-3	P=0.279N	P=1.000	P=0.067N	P=0.274N	P=0.276N	P=0.266N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pancreas						
Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pancreas						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	1/4.41
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	22.7%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	86
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.353
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.388
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.330
COCH-ARM / FISHERS	P=0.196	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.148

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pancreas: Acinus						
Vacuolization Cytoplasmic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/4.89	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	20.4%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	43	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.368	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.413	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.336	(e)
COCH-ARM / FISHERS	P=0.432	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland Angiectasis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/4.76	1/4.61
POLY-3 PERCENT (g)	0%	0%	0%	0%	21%	21.7%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	57	78
STATISTICAL TESTS						
POLY 3	P=0.087	(e)	(e)	(e)	P=0.364	P=0.360
POLY 1.5	P=0.068	(e)	(e)	(e)	P=0.408	P=0.392
POLY 6	P=0.112	(e)	(e)	(e)	P=0.335	P=0.339
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.160	(e)	(e)	(e)	P=0.149	P=0.148

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

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First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.313	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.391	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.258	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.571	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.569	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	3/4.20	3/4.88
POLY-3 PERCENT (g)	0%	0%	0%	0%	71.4%	61.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/2 (100%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	86	78
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.009**	P=0.015*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.023*	P=0.024*
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.004**	P=0.011*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.105	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.009**	P=0.011*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	1/4.89	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	20.5%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	44	---
STATISTICAL TESTS						
POLY 3	P=0.147	(e)	(e)	P=0.500	P=0.368	(e)
POLY 1.5	P=0.171	(e)	(e)	P=0.500	P=0.412	(e)
POLY 6	P=0.134	(e)	(e)	P=0.500	P=0.336	(e)
COCH-ARM / FISHERS	P=0.305	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.271	(e)	(e)	P=0.158	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Rathke's Cleft Dilatation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	5/10 (50%)	4/10 (40%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	5/10.00	4/5.73	5/5.78
POLY-3 PERCENT (g)	0%	0%	10%	50%	69.8%	86.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	5/10 (50%)	1/2 (50%)	1/1 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	57	29
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.500	P=0.008**	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P=0.008**	P=0.005**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.016*	P=0.043*	P=0.016*
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P=0.002**	P=0.002**	P<0.001**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gland						
Basophilic Focus						
LESION RATES						
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	6/10 (60%)	3/10 (30%)	9/10 (90%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	6/10.00	3/4.97	9/9.59
POLY-3 PERCENT (g)	40%	0%	0%	60%	60.4%	93.9%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	6/10 (60%)	1/2 (50%)	1/1 (100%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	57	17
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.333	P=0.433	P=0.008**
POLY 1.5	(e)	(e)	(e)	P=0.333	P=0.581	P=0.012*
POLY 6	(e)	(e)	(e)	P=0.333	P=0.340	P=0.005**
COCH-ARM / FISHERS	P=0.066	(e)	(e)	P=0.328	P=0.500N	P=0.029*
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.192	P=0.303	P=0.002**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gland						
Necrosis Focal						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.653N	P=0.647N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.604N	P=0.611N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.685N	P=0.673N
COCH-ARM / FISHERS	P=0.115N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N	P=0.345N	P=0.337N

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spinal Cord Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/1.36	2/5.58
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	35.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	29
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.114
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.136
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.099
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.055

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spleen Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/4.75	1/4.54
POLY-3 PERCENT (g)	0%	0%	0%	0%	21.1%	22%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	58	81
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.364	P=0.357
POLY 1.5	(e)	(e)	(e)	(e)	P=0.408	P=0.391
POLY 6	(e)	(e)	(e)	(e)	P=0.335	P=0.336
COCH-ARM / FISHERS	P=0.163	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.149	P=0.148

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spleen Congestion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Spleen						
Pigmentation Hemosiderin						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Forestomach Degeneration Cystic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/4.75	1/5.14
POLY-3 PERCENT (g)	0%	0%	0%	0%	21.1%	19.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	58	37
STATISTICAL TESTS						
POLY 3	P=0.082	(e)	(e)	(e)	P=0.364	P=0.376
POLY 1.5	P=0.067	(e)	(e)	(e)	P=0.408	P=0.407
POLY 6	P=0.105	(e)	(e)	(e)	P=0.335	P=0.350
COCH-ARM / FISHERS	P=0.063	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.150	(e)	(e)	(e)	P=0.149	P=0.150

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Forestomach Edema						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/4.89	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	20.5%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	44	---
STATISTICAL TESTS						
POLY 3	P=0.316	(e)	(e)	(e)	P=0.368	(e)
POLY 1.5	P=0.272	(e)	(e)	(e)	P=0.412	(e)
POLY 6	P=0.369	(e)	(e)	(e)	P=0.336	(e)
COCH-ARM / FISHERS	P=0.295	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.386	(e)	(e)	(e)	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Forestomach Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Edema						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/4.89	3/7.07
POLY-3 PERCENT (g)	0%	0%	0%	0%	20.5%	42.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	44	17
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.368	P=0.041*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.412	P=0.054
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.336	P=0.030*
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	(e)	P=0.500	P=0.105
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	(e)	P=0.149	P=0.018*

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Erosion Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	2/6.07
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	32.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	37
STATISTICAL TESTS						
POLY 3	P=0.014*	(e)	(e)	(e)	(e)	P=0.126
POLY 1.5	P=0.014*	(e)	(e)	(e)	(e)	P=0.147
POLY 6	P=0.016*	(e)	(e)	(e)	(e)	P=0.106
COCH-ARM / FISHERS	P=0.020*	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.007**	(e)	(e)	(e)	(e)	P=0.057

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Infiltration Cellular Eosinophil						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.313	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.391	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.258	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.571	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.569	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.313	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.391	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.258	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.571	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.569	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Mineralization						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.313	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.391	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.258	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.571	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.569	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Pigmentation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Thymus Hemorrhage						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	4/10 (40%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	4/6.19	4/5.75
POLY-3 PERCENT (g)	0%	0%	0%	0%	64.6%	69.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/2 (50%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	57	37
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.003**	P=0.002**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.007**	P=0.004**
POLY 6	(e)	(e)	(e)	(e)	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.006**	(e)	(e)	(e)	P=0.043*	P=0.043*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.002**	P=0.002**

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Thyroid Gland						
Ectopic Thymus						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	1/4.75	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	10%	21.1%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	93 (T)	58	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	P=0.364	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	P=0.408	(e)
POLY 6	(e)	(e)	(e)	P=0.500	P=0.335	(e)
COCH-ARM / FISHERS	P=0.500	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158	P=0.149	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Thyroid Gland Ultimobranchial Cyst						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Uterus Dilatation						
LESION RATES						
OVERALL (a)	2/10 (20%)	2/3 (67%)	1/1 (100%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	2/3.00	1/1.00	1/10.00	0/3.99	1/4.61
POLY-3 PERCENT (g)	20%	66.7%	100%	10%	0%	21.7%
TERMINAL (d)	2/10 (20%)	2/3 (67%)	1/1 (100%)	1/10 (10%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	---	78
STATISTICAL TESTS						
POLY 3	P=0.176N	P=0.201	P=0.286	P=0.500N	P=0.462N	P=0.698
POLY 1.5	P=0.110N	P=0.201	P=0.286	P=0.500N	P=0.372N	P=0.688N
POLY 6	P=0.225N	P=0.201	P=0.286	P=0.500N	P=0.527N	P=0.655
COCH-ARM / FISHERS	P=0.042N*	P=0.203	P=0.273	P=0.500N	P=0.237N	P=0.500N
MAX-ISO-POLY-3	P=0.325N	P=0.103	P=0.090	P=0.274N	P=0.276N	P=0.480

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

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

DOSE	Females					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Vagina Cyst						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	0/3.99	0/4.20
POLY-3 PERCENT (g)	0%	10%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	93 (T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.463N	P=0.500	(e)	(e)	(e)	(e)
POLY 1.5	P=0.411N	P=0.500	(e)	(e)	(e)	(e)
POLY 6	P=0.501N	P=0.500	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.295N	P=0.500	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.641N	P=0.158	(e)	(e)	(e)	(e)

Experiment Number: 99037 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

LEGEND

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

*** END OF REPORT ***