

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

C Number:	C99037B
Lock Date:	04/04/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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

MALE RAT

Organ

Brain

Kidney

Liver

Lung

Pituitary Gland: Pars Distalis

Pituitary Gland: Rathkes Cleft

Salivary Glands: Parotid GI

Spleen

Thymus

FEMALE RAT

Organ

Brain

Kidney

Kidney: Renal Tubule

Liver

Lung

Lymph Node: Pancreatic

Ovary

Pituitary Gland: Pars Distalis

Pituitary Gland: Rathkes Cleft

Salivary Glands: Parotid GI

Morphology

Hemorrhage

Congestion

Nephropathy

Hepatodiaphragmatic Nodule

Inflammation Chronic

Vacuolization Cytoplasmic

Congestion

Hemorrhage

Atrophy

Dilatation

Basophilic Focus

Congestion

Hemorrhage

Morphology

Hemorrhage

Congestion

Pigmentation

Nephropathy

Mineralization

Hepatodiaphragmatic Nodule

Inflammation Chronic

Congestion

Hemorrhage

Hemorrhage

Cyst

Atrophy

Dilatation

Basophilic Focus

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

Stomach, Glandular

Thymus

Uterus

Edema

Hemorrhage

Hemorrhage

Dilatation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.599N	(e)	P=0.159	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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	1/7.75
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=0.202	(e)	(e)	P=0.159	(e)	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: alpha/beta Thujone mixture
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 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.000**	(e)	(e)	(e)	P=0.227	P<0.001**
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.227	P<0.001**
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.227	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.237	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.067	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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%	46.9%
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=0.000**	(e)	(e)	(e)	P=0.227	P=0.017*
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.227	P=0.022*
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.227	P=0.012*
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.237	P=0.043*
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.067	P=0.005**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.159N	P=0.159N	P=0.159N	P=0.200N	P=0.227N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Species/Strain: Rat/F 344/N

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.200N	P=0.227N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03
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 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.200N	P=0.227N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.103	P=0.085N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.148
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.148
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.048*	P=0.067	P=0.067	P=0.067	P=0.120	P=0.222
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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	3/7.75
POLY-3 PERCENT (g)	10%	10%	20%	10%	10.8%	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=0.478	P=0.101
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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=0.075	(e)	(e)	(e)	(e)	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.157	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.201N	(e)	P=0.256N	P=0.352N	P=0.206N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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%	10.8%	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=0.081N	P=0.270N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.157	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.100N	(e)	P=0.159N	P=0.235N	P=0.013N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.000**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.489	P=0.000**
POLY 6	(e)	(e)	(e)	(e)	P=0.480	P=0.000**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.158	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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=0.000N**
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=0.132N	P=0.000N**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.200N	P=0.227N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung: Alveolus						
Infiltration Cellular Histiocyte 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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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	0/1.97
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%)	0/1 (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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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	1/1.97
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50.8%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	---	---	---	85(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=1.000N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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	1/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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	0/1.97
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%)	0/1 (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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Nose: Olfactory Epi 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 (12%)	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=0.157	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.158	P=0.062
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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	1/7.75
POLY-3 PERCENT (g)	0%	0%	0%	0%	10.8%	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=0.158	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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%	10.8%	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=0.158	P=0.061
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Rathkes 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=0.159N	P=1.000	P=0.125	P=0.040*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.200N	P=0.227N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gl						
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=0.011N*	P=0.043N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gl						
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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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%	46.9%
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**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.157	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.157	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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 (12%)	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=0.157	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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=0.075	(e)	(e)	(e)	(e)	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.111	(e)	(e)	(e)	P=0.157	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular						
Infiltration Cellular						
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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.382	(e)	(e)	(e)	P=0.157	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.075	(e)	(e)	(e)	(e)	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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 (12%)	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=0.111	(e)	(e)	(e)	P=0.157	P=0.156
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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=0.003**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14 WEEKS**

DOSE	MALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14 WEEKS

DOSE	MALE					
	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=0.200N	P=0.435
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:32

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.000**	(e)	(e)	(e)	P=0.024*	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.038*	P=0.000**
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.018*	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.105	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.014*	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.000**	(e)	(e)	(e)	P=0.009**	P=0.033*
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.014*	P=0.044*
POLY 6	P=0.000**	(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=0.000**	(e)	(e)	(e)	P=0.004**	P=0.017*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.000**	(e)	P=0.500	P<0.001**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	(e)	P=0.500	P<0.001**	P=0.000**	P=0.002**
POLY 6	P=0.000**	(e)	P=0.500	P<0.001**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.005**	P=0.016*	P=0.043*
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.159	P=0.000**	P=0.000**	P<0.001**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:32
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.000**	(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=0.159	P=0.025*	P=0.051	P=0.014*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.073	(e)	(e)	(e)	(e)	P=0.152
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.000**	P=0.024*	P=0.024*	P=0.024*	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.024*	P=0.024*	P=0.024*	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.024*	P=0.024*	P=0.024*	P=0.000**	P=0.000**
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=0.000**	P=0.007**	P=0.007**	P=0.007**	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.379	(e)	(e)	(e)	P=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.417	P=0.369N	P=0.308N	P=0.172	P=0.313	P=0.460
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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%	20.4%	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=0.308N	P=0.022*	P<0.001**	P=0.274	P=0.355	P=0.338N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.000N**	P=0.463N	P=0.215N	P=0.001N**	P=0.097N	P=0.086N
POLY 1.5	P=0.000N**	P=0.463N	P=0.215N	P=0.001N**	P=0.026N*	P=0.034N*
POLY 6	P=0.000N**	P=0.463N	P=0.215N	P=0.001N**	P=0.199N	P=0.153N
COCH-ARM / FISHERS	P=0.000N**	P=0.455N	P=0.227N	P=0.005N**	P=0.005N**	P=0.005N**
MAX-ISO-POLY-3	P=0.000N**	P=0.206N	P=0.111N	P=0.000N**	P=0.081N	P=0.072N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.283	(e)	(e)	(e)	P=0.052	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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%	54.9%
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**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.000N**	(e)	(e)	P=0.035N*	P=0.000N**	P=0.000N**
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.007N**	P=0.017N*	P=0.014N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Lung: Alveolus						
Infiltration Cellular Histiocyte Focal						
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=0.159N	P=0.329	P=0.338N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=1.000	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	P=0.149	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Nose: Olfactory Epi 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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.150
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.161	(e)	(e)	(e)	P=0.151	P=0.150
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.567	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.000**	(e)	(e)	(e)	P=0.009**	P=0.015*
POLY 1.5	P=0.000**	(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=0.012*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
 CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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%	20.4%	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=0.270	(e)	(e)	P=0.159	P=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland: Rathkes 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=0.000**	(e)	P=0.500	P=0.008**	P=0.002**	P=0.000**
POLY 1.5	P=0.000**	(e)	P=0.500	P=0.008**	P=0.005**	P=0.000**
POLY 6	P=0.000**	(e)	P=0.500	P=0.008**	P<0.001**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.500	P=0.016*	P=0.043*	P=0.016*
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.159	P<0.001**	P=0.002**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gl						
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%	93.8%
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=0.194	P=0.303	P=0.002**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Salivary Glands: Parotid Gl						
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=0.159N	P=0.345N	P=0.338N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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%	35.8%
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
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.151	P=0.150
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.151	(e)	(e)	(e)	P=0.151	P=0.152
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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%	20.4%	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=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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%	20.4%	42.4%
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=0.151	P=0.018*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.056
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Stomach, Glandular						
Infiltration Cellular						
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=0.567	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.567	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.567	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=1.000	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	P=0.151	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:29:33

First Dose M/F: NA / NA

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 13 WEEKS

DOSE	FEMALE					
	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=0.324N	P=0.105	P=0.090	P=0.274N	P=0.276N	P=0.481
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

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

Date Report Requested: 10/20/2014
 Time Report Requested: 16:29:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 13 WEEKS**

DOSE	FEMALE					
	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=0.159	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:29:33
First Dose M/F: NA / NA
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 ****