

Experiment Number: 99037-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014

Time Report Requested: 21:16:54

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 MOUSE

Organ

Liver

Lung

Stomach, Glandular

FEMALE MOUSE

Organ

Kidney

Lung

Spleen

Morphology

Depletion Glycogen

Hematopoietic Cell Proliferation

Congestion

Hemorrhage

Cyst

Morphology

Casts Protein

Congestion

Hyperplasia Lymphoid Focal

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/1 (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						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Brain						
Inflammation Acute						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/1 (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						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Eye						
Inflammation Acute						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Harderian Gland						
Hyperplasia Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Harderian Gland						
Inflammation Acute						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	2/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	10%	0%	0%	20%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	P=0.628N	P=0.734N
POLY 1.5	(e)	(e)	(e)	P=0.500	P=0.581N	P=0.676N
POLY 6	(e)	(e)	(e)	P=0.500	P=0.672N	P=0.757N
COCH-ARM / FISHERS	P=0.141N	(e)	(e)	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.274	P=0.314N	P=0.457N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney						
Casts Protein						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	2/10 (20%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	2/10.00	2/5.81	1/2.00
POLY-3 PERCENT (g)	10%	0%	0%	20%	34.4%	50%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	93(T)	55	42
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	P=0.313	P=0.416
POLY 1.5	(e)	(e)	(e)	P=0.500	P=0.382	P=0.535
POLY 6	(e)	(e)	(e)	P=0.500	P=0.250	P=0.360
COCH-ARM / FISHERS	P=0.578	(e)	(e)	P=0.500	P=0.500	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.274	P=0.184	P=0.271
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney: Renal Tubule Mineralization						
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	0/4.84	1/1.92
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	52.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	51
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.272
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.334
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.247
COCH-ARM / FISHERS	P=0.183	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.141
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Depletion Glycogen						
LESION RATES						
OVERALL(a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	5/10 (50%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	5/10.00	1/4.84	0/1.09
POLY-3 PERCENT (g)	50%	0%	0%	50%	20.7%	0%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	5/10 (50%)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	93(T)	93(T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.664	P=0.322N	P=0.503N
POLY 1.5	(e)	(e)	(e)	P=0.664	P=0.182N	P=0.221N
POLY 6	(e)	(e)	(e)	P=0.664	P=0.502N	P=0.645N
COCH-ARM / FISHERS	P=0.002N**	(e)	(e)	P=0.672N	P=0.070N	P=0.016N*
MAX-ISO-POLY-3	(e)	(e)	(e)	P=1.000	P=0.224N	P=0.372N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	2/10.00	1/5.63	2/2.85
POLY-3 PERCENT (g)	0%	0%	0%	20%	17.8%	70.2%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	55	42
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.227	P=0.391	P=0.054
POLY 1.5	(e)	(e)	(e)	P=0.227	P=0.433	P=0.088
POLY 6	(e)	(e)	(e)	P=0.227	P=0.349	P=0.042*
COCH-ARM / FISHERS	P=0.196	(e)	(e)	P=0.237	P=0.500	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.067	P=0.152	P=0.041*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Inflammation Chronic						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.628N	P=0.734N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.581N	P=0.676N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.672N	P=0.757N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.314N	P=0.457N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung						
Congestion						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/5.63	5/5.63
POLY-3 PERCENT (g)	0%	0%	0%	0%	17.8%	88.8%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	55	35
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.391	P=0.000**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.433	P=0.000**
POLY 6	(e)	(e)	(e)	(e)	P=0.349	P=0.000**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.016*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.152	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung Hemorrhage						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	5/10 (50%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	5/7.87	1/2.02
POLY-3 PERCENT (g)	0%	0%	0%	0%	63.5%	49.5%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	42	38
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P<0.001**	P=0.275
POLY 1.5	(e)	(e)	(e)	(e)	P=0.002**	P=0.339
POLY 6	(e)	(e)	(e)	(e)	P=0.000**	P=0.247
COCH-ARM / FISHERS	P=0.083	(e)	(e)	(e)	P=0.016*	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.000**	P=0.141
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung						
Infiltration Cellular Histiocyte Focal						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Pancreas: Acinus						
Atrophy Focal						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Parathyroid Gland Cyst						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/4.84	0/0.99
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.628N	P=0.742N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.581N	P=0.688N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.672N	P=0.763N
COCH-ARM / FISHERS	P=0.189N	(e)	(e)	P=0.500N	P=0.500N	P=0.526N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.314N	P=0.460N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Pituitary Gland: Pars Distalis						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/5.75	0/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	17.4%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	42	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.394	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.437	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.350	(e)
COCH-ARM / FISHERS	P=0.486	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.152	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Preputial Gland						
Inflammation Chronic						
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	1/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	20.7%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	93(T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.367	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.418	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.318	(e)
COCH-ARM / FISHERS	P=1.000	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.150	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spinal Cord						
Congestion						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/4.00	1/5.63	1/1.92
POLY-3 PERCENT (g)	0%	0%	0%	0%	17.8%	52.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	55	51
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.391	P=0.272
POLY 1.5	(e)	(e)	(e)	(e)	P=0.433	P=0.334
POLY 6	(e)	(e)	(e)	(e)	P=0.349	P=0.247
COCH-ARM / FISHERS	P=0.209	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.152	P=0.141
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Hematopoietic Cell Proliferation						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Hyperplasia Lymphoid						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.628N	P=0.734N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.581N	P=0.676N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.672N	P=0.757N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.314N	P=0.457N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Hyperplasia Lymphoid Focal						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Pigmentation Hemosiderin 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	0/4.84	0/1.09
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.628N	P=0.734N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.581N	P=0.676N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.672N	P=0.757N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.314N	P=0.457N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular Cyst						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	2/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	30%	0%	0%	20%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.279N	P=0.583N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.190N	P=0.393N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.387N	P=0.667N
COCH-ARM / FISHERS	P=0.016N*	(e)	(e)	P=0.500N	P=0.105N	P=0.105N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.311N	P=0.174N	P=0.415N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular Edema						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular						
Infiltration Cellular						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 13 WEEKS**

DOSE	MALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular Mineralization						
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	0/4.84	0/1.09
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
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	1/6.71	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.9%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	83	---
STATISTICAL TESTS						
POLY 3	P=0.102	(e)	(e)	(e)	P=0.422	(e)
POLY 1.5	P=0.164	(e)	(e)	(e)	P=0.456	(e)
POLY 6	P=0.118	(e)	(e)	(e)	P=0.380	(e)
COCH-ARM / FISHERS	P=0.360	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.188	(e)	(e)	(e)	P=0.154	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Brain						
Inflammation Acute						
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	1/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	15.6%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/3 (33%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	93(T)	---
STATISTICAL TESTS						
POLY 3	P=0.100	(e)	(e)	(e)	P=0.414	(e)
POLY 1.5	P=0.164	(e)	(e)	(e)	P=0.452	(e)
POLY 6	P=0.138	(e)	(e)	(e)	P=0.365	(e)
COCH-ARM / FISHERS	P=0.360	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.186	(e)	(e)	(e)	P=0.154	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Eye						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Harderian Gland						
Hyperplasia Focal						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Harderian Gland						
Inflammation Acute						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.584N	P=0.725N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.547N	P=0.659N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.630N	P=0.755N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.261N	P=0.442N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney						
Casts Protein						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.095N	P=0.196N	P=0.549N
POLY 1.5	(e)	(e)	(e)	P=0.095N	P=0.144N	P=0.349N
POLY 6	(e)	(e)	(e)	P=0.095N	P=0.283N	P=0.659N
COCH-ARM / FISHERS	P=0.016N*	(e)	(e)	P=0.105N	P=0.105N	P=0.105N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.025N*	P=0.105N	P=0.387N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney						
Nephropathy						
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	1/6.71	0/1.46
POLY-3 PERCENT (g)	10%	0%	0%	0%	14.9%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	83	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.666	P=0.725N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.710	P=0.659N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.605	P=0.755N
COCH-ARM / FISHERS	P=0.373N	(e)	(e)	P=0.500N	P=0.763N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.406	P=0.442N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Kidney: Renal Tubule Mineralization						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Depletion Glycogen						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	3/10 (30%)	4/10 (40%)	2/10 (20%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	3/10.00	4/8.38	2/3.15
POLY-3 PERCENT (g)	30%	0%	0%	30%	47.7%	63.5%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	3/10 (30%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	93(T)	65	49
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.678	P=0.387	P=0.382
POLY 1.5	(e)	(e)	(e)	P=0.678	P=0.434	P=0.569
POLY 6	(e)	(e)	(e)	P=0.678	P=0.331	P=0.277
COCH-ARM / FISHERS	P=0.439N	(e)	(e)	P=0.686N	P=0.500	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=1.000	P=0.243	P=0.276
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
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	0/6.42	1/2.37
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	42.2%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	42
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.287
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.355
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.250
COCH-ARM / FISHERS	P=0.183	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.142
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Liver						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung						
Congestion						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	2/10 (20%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	2/7.25	3/3.94
POLY-3 PERCENT (g)	0%	0%	0%	0%	27.6%	76.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	72	49
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.155	P=0.007**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.183	P=0.020*
POLY 6	(e)	(e)	(e)	(e)	P=0.125	P=0.004**
COCH-ARM / FISHERS	P=0.016*	(e)	(e)	(e)	P=0.237	P=0.105
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.060	P=0.008**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:54
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung						
Hemorrhage						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	2/7.56	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	26.5%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	65	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.163	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.189	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.133	(e)
COCH-ARM / FISHERS	P=0.373	(e)	(e)	(e)	P=0.237	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.061	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung						
Infiltration Cellular Histiocyte Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Lung						
Inflammation Acute						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	(e)	(e)	(e)	P=0.500	(e)	(e)
POLY 6	(e)	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Pancreas: Acinus						
Atrophy 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	0/6.42	0/1.46
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.584N	P=0.725N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.547N	P=0.659N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.630N	P=0.755N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.261N	P=0.442N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Parathyroid Gland Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/6.42	0/1.33
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Pituitary Gland: Pars Distalis						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spinal Cord						
Congestion						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/5.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Hematopoietic Cell Proliferation						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/1 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/1.00	0/0.00	1/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	10%	0%	0%	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/1 (0%)	0/0 (0%)	1/10 (10%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	93(T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	P=0.913N	(e)	P=0.760	P=0.584N	P=0.725N
POLY 1.5	(e)	P=0.913N	(e)	P=0.760	P=0.547N	P=0.659N
POLY 6	(e)	P=0.913N	(e)	P=0.760	P=0.630N	P=0.755N
COCH-ARM / FISHERS	P=0.176N	P=0.909N	(e)	P=0.763N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	P=0.411N	(e)	P=1.000	P=0.261N	P=0.442N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Hyperplasia Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/1 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/0.00	0/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Hyperplasia Lymphoid Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	1/1 (100%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/0.00	0/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	93(T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	P=0.091	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=0.091	(e)	(e)	(e)	(e)
POLY 6	(e)	P=0.091	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.258N	P=0.091	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P=0.000**	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Spleen						
Pigmentation Hemosiderin Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/1 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/1.00	0/0.00	0/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/1 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular Cyst						
LESION RATES						
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/10.00	0/6.42	0/1.46
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.227N	P=0.340N	P=0.616N
POLY 1.5	(e)	(e)	(e)	P=0.227N	P=0.286N	P=0.472N
POLY 6	(e)	(e)	(e)	P=0.227N	P=0.418N	P=0.689N
COCH-ARM / FISHERS	P=0.052N	(e)	(e)	P=0.237N	P=0.237N	P=0.237N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.067N	P=0.169N	P=0.413N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular						
Edema						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular						
Infiltration Cellular						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (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: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Stomach, Glandular Mineralization						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	93(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.584N	P=0.725N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.547N	P=0.659N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.630N	P=0.755N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.261N	P=0.442N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99037-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
 Time Report Requested: 21:16:55
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 12 WEEKS**

DOSE	FEMALE					
	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG
Uterus						
Dilatation						
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	0/6.42	0/1.46
POLY-3 PERCENT (g)	0%	0%	10%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	93(T)	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.618N	(e)	P=0.500	(e)	(e)	(e)
POLY 1.5	P=0.587N	(e)	P=0.500	(e)	(e)	(e)
POLY 6	P=0.704N	(e)	P=0.500	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.453N	(e)	P=0.500	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.789	(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: 99037-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Date Report Requested: 10/22/2014
Time Report Requested: 21:16:55
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 ****