

Experiment Number: 93023-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 2,4-Hexadienal
CAS Number: 142-83-6

Date Report Requested: 10/21/2014
Time Report Requested: 18:38:33
First Dose M/F: NA / NA
Lab: SRI

C Number:	C93023B
Lock Date:	07/30/1997
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 ($P \leq .05$) RESULTS IN THE ANALYSIS OF 2,4-HEXADIENAL

MALE MOUSE

Organ

Esophagus

Lung

Lung: Mediastinum

Nose: Olfactory Epi

Stomach, Forestomach: Epithelium

Testes: Germinal Epith

Thymus

FEMALE MOUSE

Organ

Nose: Olfactory Epi

Stomach, Forestomach: Epithelium

Stomach, Glandular: Epithelium

Morphology

Inflammation Focal

Foreign Body

Inflammation

Atrophy

Necrosis

Hyperplasia

Degeneration

Atrophy

Morphology

Necrosis

Hyperplasia

Cyst

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

DOSE	MALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus						
Inflammation Focal						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/7.74	0/0.00	0/0.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	4	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.000**	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.000**	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.000**	(e)
COCH-ARM / FISHERS	P=0.682N	(e)	(e)	(e)	P=0.100	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.000**	(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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus						
Inflammation Granulomatous						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/7.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus Perforation						
LESION RATES						
OVERALL(a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	85	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.935N	P=0.455N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.935N	P=0.456N
POLY 6	(e)	(e)	(e)	(e)	P=0.935N	P=0.455N
COCH-ARM / FISHERS	P=0.281N	(e)	(e)	(e)	P=0.900N	P=0.474N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.151N
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus: Muscularis						
Necrosis						
LESION RATES						
OVERALL(a)	2/9 (22%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	2/9.00	0/0.00	0/0.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	22.2%	0%	0%	0%	100%	0%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	4	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.316	P=0.201N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.316	P=0.201N
POLY 6	(e)	(e)	(e)	(e)	P=0.316	P=0.201N
COCH-ARM / FISHERS	P=0.144N	(e)	(e)	(e)	P=0.300	P=0.211N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.107	P=0.060N
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung						
Foreign Body						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/9 (0%)
POLY-3 RATE (b)	0/8.74	0/0.00	0/0.00	0/0.00	1/1.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	4	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.000**	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.000**	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.000**	(e)
COCH-ARM / FISHERS	P=0.682	(e)	(e)	(e)	P=0.091	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.000**	(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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung						
Necrosis						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/9 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.516N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.943N	P=0.518N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.512N
COCH-ARM / FISHERS	P=0.318N	(e)	(e)	(e)	P=0.909N	P=0.526N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.172N
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung: Mediastinum						
Foreign Body						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/9 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.516N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.943N	P=0.518N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.512N
COCH-ARM / FISHERS	P=0.318N	(e)	(e)	(e)	P=0.909N	P=0.526N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.172N
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung: Mediastinum Inflammation						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/9 (0%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/0.00	1/1.00	0/9.00
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	100%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	85	---	---	---	4	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.159	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.159	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	P=0.159	P=0.500N
COCH-ARM / FISHERS	P=0.380N	(e)	(e)	(e)	P=0.182	P=0.526N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.023*	P=0.165N
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lymph Node						
Hyperplasia Lymphoid						
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						

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

DOSE	MALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lymph Node, Mesenteric						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.495N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.943N	P=0.497N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.491N
COCH-ARM / FISHERS	P=0.300N	(e)	(e)	(e)	P=0.909N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.159N
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose						
Exudate						
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)	0/8.74	0/10.00	0/10.00	0/10.00	0/9.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/8 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.110	(e)	(e)	(e)	(e)	P=0.527
POLY 1.5	P=0.110	(e)	(e)	(e)	(e)	P=0.524
POLY 6	P=0.111	(e)	(e)	(e)	(e)	P=0.531
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.118	(e)	(e)	(e)	(e)	P=0.192
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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Olfactory Epi Atrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/8.74	0/10.00	0/10.00	0/10.00	0/9.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	40%
TERMINAL (d)	0/8 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	4/10 (40%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.049*
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.047*
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.052
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.043*
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P=0.017*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Olfactory Epi						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/8.74	0/10.00	0/10.00	0/10.00	0/9.00	5/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50%
TERMINAL (d)	0/8 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	5/10 (50%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.015*
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.014*
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.017*
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.016*
MAX-ISO-POLY-3	P=0.000**	(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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Vomeronas Org						
Cyst						
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)	0/8.74	0/10.00	0/10.00	0/10.00	0/9.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/8 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.110	(e)	(e)	(e)	(e)	P=0.527
POLY 1.5	P=0.110	(e)	(e)	(e)	(e)	P=0.524
POLY 6	P=0.111	(e)	(e)	(e)	(e)	P=0.531
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.118	(e)	(e)	(e)	(e)	P=0.192
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Vomeronas Org						
Degeneration Cystic						
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)	0/8.74	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	0%
TERMINAL (d)	0/8 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	4	---
STATISTICAL TESTS						
POLY 3	P=0.601	(e)	(e)	(e)	P=0.527	(e)
POLY 1.5	P=0.599	(e)	(e)	(e)	P=0.524	(e)
POLY 6	P=0.603	(e)	(e)	(e)	P=0.531	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.412	(e)	(e)	(e)	P=0.192	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Parathyroid Gland Cyst						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
POLY-3 RATE (b)	0/8.74	0/0.00	0/0.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.506
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.503
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.510
COCH-ARM / FISHERS	P=0.303	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.166
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Pleura						
Inflammation						
LESION RATES						
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4(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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skeletal Muscle						
Necrosis Focal						
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	6(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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Foreign Body						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.495N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.943N	P=0.497N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.491N
COCH-ARM / FISHERS	P=0.300N	(e)	(e)	(e)	P=0.909N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Foreign Body Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/8.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Inflammation Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/8.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Necrosis Fatty						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.495N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.943N	P=0.497N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.491N
COCH-ARM / FISHERS	P=0.300N	(e)	(e)	(e)	P=0.909N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Forestomach						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/8.74	0/10.00	0/10.00	0/10.00	0/9.00	0/10.00
POLY-3 PERCENT (g)	11.4%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (12%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.452N	P=0.473N	P=0.473N	P=0.473N	P=0.494N	P=0.473N
POLY 1.5	P=0.448N	P=0.476N	P=0.476N	P=0.476N	P=0.497N	P=0.476N
POLY 6	P=0.457N	P=0.469N	P=0.469N	P=0.469N	P=0.490N	P=0.469N
COCH-ARM / FISHERS	P=0.419N	P=0.500N	P=0.500N	P=0.500N	P=0.526N	P=0.500N
MAX-ISO-POLY-3	P=0.077N	P=0.158N	P=0.158N	P=0.158N	P=0.165N	P=0.158N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Forestomach: Epithelium						
Hyperplasia						
LESION RATES						
OVERALL(a)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	3/10 (30%)
POLY-3 RATE (b)	2/9.74	0/10.00	0/10.00	0/10.00	0/9.00	3/10.00
POLY-3 PERCENT (g)	20.5%	0%	0%	0%	0%	30%
TERMINAL (d)	1/8 (12%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	3/10 (30%)
FIRST INCIDENCE	6	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.049*	P=0.220N	P=0.220N	P=0.220N	P=0.244N	P=0.513
POLY 1.5	P=0.050*	P=0.223N	P=0.223N	P=0.223N	P=0.248N	P=0.507
POLY 6	P=0.048*	P=0.215N	P=0.215N	P=0.215N	P=0.239N	P=0.523
COCH-ARM / FISHERS	P=0.060	P=0.237N	P=0.237N	P=0.237N	P=0.263N	P=0.500
MAX-ISO-POLY-3	P=0.029*	P=0.066N	P=0.066N	P=0.066N	P=0.078N	P=0.324
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Forestomach: Epithelium						
Ulcer						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.74	0/10.00	0/10.00	0/10.00	0/9.00	0/10.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.426N	P=0.495N	P=0.495N	P=0.495N	P=0.516N	P=0.495N
POLY 1.5	P=0.423N	P=0.497N	P=0.497N	P=0.497N	P=0.518N	P=0.497N
POLY 6	P=0.430N	P=0.491N	P=0.491N	P=0.491N	P=0.512N	P=0.491N
COCH-ARM / FISHERS	P=0.419N	P=0.500N	P=0.500N	P=0.500N	P=0.526N	P=0.500N
MAX-ISO-POLY-3	P=0.077N	P=0.159N	P=0.159N	P=0.159N	P=0.172N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Glandular: Epithelium						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/8.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Glandular: Epithelium						
Degeneration Cystic						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.495N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.943N	P=0.497N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.491N
COCH-ARM / FISHERS	P=0.300N	(e)	(e)	(e)	P=0.909N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Testes: Germinal Epith Degeneration						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/2 (50%)	0/10 (0%)
POLY-3 RATE (b)	0/8.74	0/0.00	0/0.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	94(T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.068	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.068	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.068	(e)
COCH-ARM / FISHERS	P=0.704	(e)	(e)	(e)	P=0.167	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.007**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Thymus Atrophy						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	1/9.74	0/0.00	0/0.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	10.3%	0%	0%	0%	100%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	6	---	---	---	4	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.148	P=0.495N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.147	P=0.497N
POLY 6	(e)	(e)	(e)	(e)	P=0.150	P=0.491N
COCH-ARM / FISHERS	P=0.352N	(e)	(e)	(e)	P=0.182	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.022*	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 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/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Thymus						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	85	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.944N	P=0.479N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.944N	P=0.479N
POLY 6	(e)	(e)	(e)	(e)	P=0.944N	P=0.479N
COCH-ARM / FISHERS	P=0.300N	(e)	(e)	(e)	P=0.909N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.500N	P=0.158N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus						
Inflammation Focal						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus						
Inflammation Granulomatous						
LESION RATES						
OVERALL(a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	0%	0%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.479N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.479N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479N
COCH-ARM / FISHERS	P=0.285N	(e)	(e)	(e)	(e)	P=0.474N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.152N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus Perforation						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Esophagus: Muscularis						
Necrosis						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung						
Foreign Body						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung: Mediastinum						
Foreign Body						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lung: Mediastinum						
Inflammation						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lymph Node						
Hyperplasia Lymphoid						
LESION RATES						
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	---	---	---	94(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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Lymph Node, Mesenteric						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose						
Exudate						
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	1/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.107	(e)	(e)	(e)	P=0.500	P=0.500
POLY 1.5	P=0.107	(e)	(e)	(e)	P=0.500	P=0.500
POLY 6	P=0.107	(e)	(e)	(e)	P=0.500	P=0.500
COCH-ARM / FISHERS	P=0.103	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.195	(e)	(e)	(e)	P=0.159	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Olfactory Epi Atrophy						
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	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Olfactory Epi						
Necrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	5/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.008**
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.008**
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.008**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.016*
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P<0.001**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Vomeronas Org						
Cyst						
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	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Nose: Vomeronas Org						
Degeneration Cystic						
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	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:33
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Parathyroid Gland Cyst						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Pleura						
Inflammation						
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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skeletal Muscle						
Necrosis Focal						
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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Foreign Body						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Foreign Body Focal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Inflammation Focal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Skin: Subcut Tiss						
Necrosis Fatty						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Forestomach						
Inflammation Chronic						
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	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Forestomach: Epithelium						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	5/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	50%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	5/10 (50%)
FIRST INCIDENCE	---	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.500	P=0.008**
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.500	P=0.008**
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.500	P=0.008**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.500	P=0.016*
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.159	P<0.001**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Forestomach: Epithelium						
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	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Glandular: Epithelium Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	94(T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.091	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.091	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.091	(e)
COCH-ARM / FISHERS	P=0.700	(e)	(e)	(e)	P=0.091	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Stomach, Glandular: Epithelium						
Degeneration Cystic						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/1.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Thymus Atrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Thymus						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
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%)	0/10 (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: 93023-04
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: 2,4-Hexadienal
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014
 Time Report Requested: 18:38:34
 First Dose M/F: NA / NA
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG/DY	7.5 MG/KG/DY	15 MG/KG/DY	30 MG/KG/DY	60 MG/KG/DY	120 MG/KG/DY
Uterus						
Hyperplasia Stromal						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 93023-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 2,4-Hexadienal
CAS Number: 142-83-6

Date Report Requested: 10/21/2014
Time Report Requested: 18:38:34
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 ****