

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

F1_Rev.1 M3 0% Vehicle (without High Dose)

NTP Study Number: C20307

Lock Date: 12/28/2009

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups:

Include 002 vehicle	Include 003 6.25%	Include 004 12.5 %
Include 005 25 %	Include 006 50 %	Include 010 vehicle
Include 011 6.25 %	Include 012 12.5 %	Include 013 25 %
Include 014 50 %		

Study Gender: Both

TDMSE Version: 3.0.2.3_002

PWG Approval Date: 08/08/2011

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ETHANONE, 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)- (ISO-E SUPER®; OTNE)

MALE MICE

Organ

Skin

Skin, Site of Application

Skin, Site of Application: Hair Follicle

Morphology

Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Hyperplasia

FEMALE MICE

Organ

Skin

Skin, Site of Application

Skin, Site of Application: Epidermis

Skin, Site of Application: Hair Follicle

Morphology

Fibrosis
Hyperplasia
Inflammation Chronic
Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Inflammation
Hyperplasia

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
<hr/>					
Eye: Retina					
Dysplasia					
<hr/>					
LESION RATES					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---
<hr/>					
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Harderian Gland Inflammation Neutrophil					
LESION RATES					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Kidney					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Kidney					
Nephropathy					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Liver: Centrilobular Hypertrophy					
LESION RATES					
OVERALL (a)	1/10 (10%)	0/10 (0%)	2/10 (20%)	3/9 (33%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	2/10.00	3/9.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	20%	33.3%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	2/10 (20%)	3/9 (33%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	92 (T)	92 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.508N	P=0.500N	P=0.500	P=0.250	P=0.500N
POLY 1.5	P=0.508N	P=0.500N	P=0.500	P=0.250	P=0.500N
POLY 6	P=0.508N	P=0.500N	P=0.500	P=0.250	P=0.500N
COCH-ARM / FISHERS	P=0.507N	P=0.500N	P=0.500	P=0.249	P=0.500N
MAX-ISO-POLY-3	P=0.140N	P=0.158N	P=0.274	P=0.114	P=0.158N

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Parathyroid Gland Cyst					
LESION RATES					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin Fibrosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/9 (11%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/9.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	11.1%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/9 (11%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.028*	(e)	(e)	P=0.479	P=0.227
POLY 1.5	P=0.028*	(e)	(e)	P=0.479	P=0.227
POLY 6	P=0.028*	(e)	(e)	P=0.479	P=0.227
COCH-ARM / FISHERS	P=0.029*	(e)	(e)	P=0.474	P=0.237
MAX-ISO-POLY-3	P=0.028*	(e)	(e)	P=0.150	P=0.066

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin					
Hyperkeratosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.010**	(e)	(e)	(e)	P=0.066

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin Hyperplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	4/9 (44%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	4/9.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	20%	44.4%	30%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	4/9 (44%)	3/10 (30%)
FIRST INCIDENCE	---	---	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.019*	(e)	P=0.227	P=0.021*	P=0.095
POLY 1.5	P=0.019*	(e)	P=0.227	P=0.021*	P=0.095
POLY 6	P=0.019*	(e)	P=0.227	P=0.021*	P=0.095
COCH-ARM / FISHERS	P=0.025*	(e)	P=0.237	P=0.033*	P=0.105
MAX-ISO-POLY-3	P=0.012*	(e)	P=0.066	P=0.004**	P=0.025*

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	4/9 (44%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	4/9.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	20%	44.4%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	4/9 (44%)	2/10 (20%)
FIRST INCIDENCE	---	---	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.074	(e)	P=0.227	P=0.021*	P=0.227
POLY 1.5	P=0.074	(e)	P=0.227	P=0.021*	P=0.227
POLY 6	P=0.074	(e)	P=0.227	P=0.021*	P=0.227
COCH-ARM / FISHERS	P=0.084	(e)	P=0.237	P=0.033*	P=0.237
MAX-ISO-POLY-3	P=0.022*	(e)	P=0.066	P=0.004**	P=0.066

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Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin, Site of Application					
Fibrosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	4/10 (40%)	3/10 (30%)	8/10 (80%)	8/9 (89%)
POLY-3 RATE (b)	0/10.00	4/10.00	3/10.00	8/10.00	8/9.00
POLY-3 PERCENT (g)	0%	40%	30%	80%	88.9%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	3/10 (30%)	8/10 (80%)	8/9 (89%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P=0.033*	P=0.095	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.033*	P=0.095	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.033*	P=0.095	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.043*	P=0.105	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.007**	P=0.025*	P<0.001**	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin, Site of Application					
Hyperkeratosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	2/10 (20%)	5/10 (50%)	5/10 (50%)	8/9 (89%)
POLY-3 RATE (b)	0/10.00	2/10.00	5/10.00	5/10.00	8/9.00
POLY-3 PERCENT (g)	0%	20%	50%	50%	88.9%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	5/10 (50%)	5/10 (50%)	8/9 (89%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P=0.227	P=0.008**	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	P=0.227	P=0.008**	P=0.008**	P<0.001**
POLY 6	P<0.001**	P=0.227	P=0.008**	P=0.008**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.237	P=0.016*	P=0.016*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.066	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin, Site of Application					
Hyperplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	9/10 (90%)	10/10 (100%)	9/10 (90%)	9/9 (100%)
POLY-3 RATE (b)	0/10.00	9/10.00	10/10.00	9/10.00	9/9.00
POLY-3 PERCENT (g)	0%	90%	100%	90%	100%
TERMINAL (d)	0/10 (0%)	9/10 (90%)	10/10 (100%)	9/10 (90%)	9/9 (100%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	(e)	P<0.001**	P<0.001**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin, Site of Application					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/10 (0%)	7/10 (70%)	10/10 (100%)	9/10 (90%)	9/9 (100%)
POLY-3 RATE (b)	0/10.00	7/10.00	10/10.00	9/10.00	9/9.00
POLY-3 PERCENT (g)	0%	70%	100%	90%	100%
TERMINAL (d)	0/10 (0%)	7/10 (70%)	10/10 (100%)	9/10 (90%)	9/9 (100%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	(e)	P<0.001**	P<0.001**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin, Site of Application					
Ulcer					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	vehicle	Males			
		6.25%	12.5 %	25 %	50 %

Skin, Site of Application: Epidermis
Inflammation

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/9 (11%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	11.1%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	92 (T)	92 (T)

STATISTICAL TESTS

POLY 3	P=0.141	(e)	(e)	P=0.500	P=0.479
POLY 1.5	P=0.141	(e)	(e)	P=0.500	P=0.479
POLY 6	P=0.141	(e)	(e)	P=0.500	P=0.479
COCH-ARM / FISHERS	P=0.136	(e)	(e)	P=0.500	P=0.474
MAX-ISO-POLY-3	P=0.120	(e)	(e)	P=0.158	P=0.150

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	vehicle	Males			
		6.25%	12.5 %	25 %	50 %

Skin, Site of Application: Hair Follicle
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	3/10 (30%)	2/10 (20%)	3/10 (30%)	7/9 (78%)
POLY-3 RATE (b)	0/10.00	3/10.00	2/10.00	3/10.00	7/9.00
POLY-3 PERCENT (g)	0%	30%	20%	30%	77.8%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	2/10 (20%)	3/10 (30%)	7/9 (78%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.095	P=0.227	P=0.095	P<0.001**
POLY 1.5	P<0.001**	P=0.095	P=0.227	P=0.095	P<0.001**
POLY 6	P<0.001**	P=0.095	P=0.227	P=0.095	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.105	P=0.237	P=0.105	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.025*	P=0.066	P=0.025*	P<0.001**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin: Epidermis Inflammation					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.145	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.145	(e)	(e)	(e)	P=0.500
POLY 6	P=0.145	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.059	(e)	(e)	(e)	P=0.158

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	vehicle	6.25%	12.5 %	25 %	50 %
Skin: Hair Follicle Hyperplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/9 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/9.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/9 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	92 (T)	---	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.307	(e)	P=0.500	(e)	P=0.500
POLY 1.5	P=0.307	(e)	P=0.500	(e)	P=0.500
POLY 6	P=0.307	(e)	P=0.500	(e)	P=0.500
COCH-ARM / FISHERS	P=0.303	(e)	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.133	(e)	P=0.158	(e)	P=0.158

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Eye: Retina Dysplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Harderian Gland Inflammation Neutrophil					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Kidney					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Kidney Nephropathy					
LESION RATES					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Liver: Centrilobular Hypertrophy					
LESION RATES					
OVERALL (a)	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
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	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)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Parathyroid Gland Cyst					
LESION RATES					
OVERALL (a)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/7.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin					
Fibrosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	3/10 (30%)	0/10 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	3/10.00	0/10.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	30%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	3/10 (30%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	92 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.464N	(e)	P=0.095	(e)	(e)
POLY 1.5	P=0.464N	(e)	P=0.095	(e)	(e)
POLY 6	P=0.464N	(e)	P=0.095	(e)	(e)
COCH-ARM / FISHERS	P=0.467N	(e)	P=0.105	(e)	(e)
MAX-ISO-POLY-3	P=0.166	(e)	P=0.025*	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin					
Hyperkeratosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	92 (T)	---	---
STATISTICAL TESTS					
POLY 3	P=0.673N	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.673N	(e)	P=0.500	(e)	(e)
POLY 6	P=0.673N	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.675N	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.309	(e)	P=0.158	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin Hyperplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	4/10 (40%)	3/10 (30%)	2/10 (20%)	3/8 (38%)
POLY-3 RATE (b)	0/10.00	4/10.00	3/10.00	2/10.00	3/8.00
POLY-3 PERCENT (g)	0%	40%	30%	20%	37.5%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	3/10 (30%)	2/10 (20%)	3/8 (38%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.209	P=0.033*	P=0.095	P=0.227	P=0.053
POLY 1.5	P=0.209	P=0.033*	P=0.095	P=0.227	P=0.053
POLY 6	P=0.209	P=0.033*	P=0.095	P=0.227	P=0.053
COCH-ARM / FISHERS	P=0.210	P=0.043*	P=0.105	P=0.237	P=0.069
MAX-ISO-POLY-3	P=0.041*	P=0.007**	P=0.025*	P=0.066	P=0.014*

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/10 (0%)	4/10 (40%)	4/10 (40%)	2/10 (20%)	3/8 (38%)
POLY-3 RATE (b)	0/10.00	4/10.00	4/10.00	2/10.00	3/8.00
POLY-3 PERCENT (g)	0%	40%	40%	20%	37.5%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	4/10 (40%)	2/10 (20%)	3/8 (38%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.243	P=0.033*	P=0.033*	P=0.227	P=0.053
POLY 1.5	P=0.243	P=0.033*	P=0.033*	P=0.227	P=0.053
POLY 6	P=0.243	P=0.033*	P=0.033*	P=0.227	P=0.053
COCH-ARM / FISHERS	P=0.246	P=0.043*	P=0.043*	P=0.237	P=0.069
MAX-ISO-POLY-3	P=0.044*	P=0.007**	P=0.007**	P=0.066	P=0.014*

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin, Site of Application					
Fibrosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	2/10 (20%)	10/10 (100%)	10/10 (100%)	4/6 (67%)
POLY-3 RATE (b)	0/10.00	2/10.00	10/10.00	10/10.00	4/6.00
POLY-3 PERCENT (g)	0%	20%	100%	100%	66.7%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	10/10 (100%)	10/10 (100%)	4/6 (67%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P=0.227	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.227	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.227	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.237	P<0.001**	P<0.001**	P=0.008**
MAX-ISO-POLY-3	P<0.001**	P=0.066	(e)	(e)	P<0.001**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin, Site of Application					
Hyperkeratosis					
LESION RATES					
OVERALL (a)	0/10 (0%)	5/10 (50%)	5/10 (50%)	10/10 (100%)	6/6 (100%)
POLY-3 RATE (b)	0/10.00	5/10.00	5/10.00	10/10.00	6/6.00
POLY-3 PERCENT (g)	0%	50%	50%	100%	100%
TERMINAL (d)	0/10 (0%)	5/10 (50%)	5/10 (50%)	10/10 (100%)	6/6 (100%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P=0.008**	P=0.008**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.008**	P=0.008**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.008**	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.016*	P=0.016*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin, Site of Application					
Hyperplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	6/6.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin, Site of Application					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	6/6.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
FIRST INCIDENCE	---	92 (T)	92 (T)	92 (T)	92 (T)
STATISTICAL TESTS					
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin, Site of Application					
Ulcer					
LESION RATES					
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/6 (17%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	1/6.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	16.7%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/6 (17%)
FIRST INCIDENCE	92 (T)	---	---	---	92 (T)
STATISTICAL TESTS					
POLY 3	P=0.402	P=0.500N	P=0.500N	P=0.500N	P=0.643
POLY 1.5	P=0.402	P=0.500N	P=0.500N	P=0.500N	P=0.643
POLY 6	P=0.402	P=0.500N	P=0.500N	P=0.500N	P=0.643
COCH-ARM / FISHERS	P=0.401	P=0.500N	P=0.500N	P=0.500N	P=0.625
MAX-ISO-POLY-3	P=0.115	P=0.158N	P=0.158N	P=0.158N	P=0.369

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	vehicle	Females			
		6.25 %	12.5 %	25 %	50 %

Skin, Site of Application: Epidermis
Inflammation

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	4/10 (40%)	4/6 (67%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	4/10.00	4/6.00
POLY-3 PERCENT (g)	0%	0%	10%	40%	66.7%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	4/10 (40%)	4/6 (67%)
FIRST INCIDENCE	---	---	92 (T)	92 (T)	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**	(e)	P=0.500	P=0.033*	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P=0.033*	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P=0.033*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.043*	P=0.008**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P=0.007**	P<0.001**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	vehicle	Females			
		6.25 %	12.5 %	25 %	50 %

Skin, Site of Application: Hair Follicle
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	3/10 (30%)	0/10 (0%)	4/10 (40%)	3/6 (50%)
POLY-3 RATE (b)	0/10.00	3/10.00	0/10.00	4/10.00	3/6.00
POLY-3 PERCENT (g)	0%	30%	0%	40%	50%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	0/10 (0%)	4/10 (40%)	3/6 (50%)
FIRST INCIDENCE	---	92 (T)	---	92 (T)	92 (T)

STATISTICAL TESTS

POLY 3	P=0.009**	P=0.095	(e)	P=0.033*	P=0.015*
POLY 1.5	P=0.009**	P=0.095	(e)	P=0.033*	P=0.015*
POLY 6	P=0.009**	P=0.095	(e)	P=0.033*	P=0.015*
COCH-ARM / FISHERS	P=0.015*	P=0.105	(e)	P=0.043*	P=0.036*
MAX-ISO-POLY-3	P=0.010**	P=0.025*	(e)	P=0.007**	P=0.004**

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin: Epidermis					
Inflammation					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super®; OTNE)

CAS Number: 54464-57-2

Date Report Requested: 03/30/2016

Time Report Requested: 14:55:45

First Dose M/F: 12/14/06 / 12/15/06

Lab: MBA

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	vehicle	6.25 %	12.5 %	25 %	50 %
Skin: Hair Follicle Hyperplasia					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/8 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	92 (T)	---
STATISTICAL TESTS					
POLY 3	P=0.615	(e)	(e)	P=0.500	(e)
POLY 1.5	P=0.615	(e)	(e)	P=0.500	(e)
POLY 6	P=0.615	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.617	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.221	(e)	(e)	P=0.158	(e)

Experiment Number: 20307 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (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 ***