

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: 14:55:58

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

Lab: MBA

F1_Rev.1 M3 Untreated + 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 001 untreated
Include 015 100 %

Include 007 100 %

Include 009 untreated

Study Gender: Both

TDMSE Version: 3.0.2.3_002

PWG Approval Date: 08/08/2011

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

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

Liver: Centrilobular
Skin

Skin, Site of Application

Skin, Site of Application: Epidermis
Skin, Site of Application: Hair Follicle
Skin: Epidermis
Skin: Hair Follicle

FEMALE MICE

Organ

Skin

Skin, Site of Application

Skin, Site of Application: Epidermis
Skin, Site of Application: Hair Follicle
Skin: Epidermis
Skin: Hair Follicle

Morphology

Hypertrophy
Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Inflammation
Hyperplasia
Inflammation
Hyperplasia

Morphology

Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Fibrosis
Hyperkeratosis
Hyperplasia
Inflammation Chronic
Inflammation
Hyperplasia
Inflammation
Hyperplasia

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Lab: MBA

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

Males

DOSE	untreated	100 %
------	-----------	-------

Eye: Retrobulbar
Inflammation Neutrophil

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

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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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Harderian Gland
Inflammation Chronic

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	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)

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Harderian Gland
Inflammation Neutrophil

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	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)

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Liver: Centrilobular Hypertrophy

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.033*
POLY 1.5	P=0.033*
POLY 6	P=0.033*
COCH-ARM / FISHERS	P=0.043*
MAX-ISO-POLY-3	P=0.007**

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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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Parathyroid Gland
Cyst

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.479N
POLY 1.5	P=0.479N
POLY 6	P=0.479N
COCH-ARM / FISHERS	P=0.474N
MAX-ISO-POLY-3	P=0.150N

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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin
Fibrosis

LESION RATES

OVERALL (a)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	5/10.00
POLY-3 PERCENT (g)	0%	50%
TERMINAL (d)	0/10 (0%)	5/10 (50%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P=0.008**
POLY 1.5	P=0.008**
POLY 6	P=0.008**
COCH-ARM / FISHERS	P=0.016*
MAX-ISO-POLY-3	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)

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin
Hyperkeratosis

LESION RATES

OVERALL (a)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	5/10.00
POLY-3 PERCENT (g)	0%	50%
TERMINAL (d)	0/10 (0%)	5/10 (50%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P=0.008**
POLY 1.5	P=0.008**
POLY 6	P=0.008**
COCH-ARM / FISHERS	P=0.016*
MAX-ISO-POLY-3	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)

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Lab: MBA

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

Males

DOSE	untreated	100 %
------	-----------	-------

Skin
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	8/10.00
POLY-3 PERCENT (g)	0%	80%
TERMINAL (d)	0/10 (0%)	8/10 (80%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	P<0.001**

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	8/10.00
POLY-3 PERCENT (g)	0%	80%
TERMINAL (d)	0/10 (0%)	8/10 (80%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	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)

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Lab: MBA

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

Males

DOSE	untreated	100 %
------	-----------	-------

Skin
Inflammation Neutrophil

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	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)

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Lab: MBA

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

Males

DOSE	untreated	100 %
------	-----------	-------

Skin
Ulcer

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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)

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Lab: MBA

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

Males

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application
Fibrosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application
Hyperkeratosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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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Lab: MBA

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

Males

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20307 - 04

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application

Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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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Date Report Requested: 03/30/2016

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application: Epidermis
Inflammation

LESION RATES

OVERALL (a)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	5/10.00
POLY-3 PERCENT (g)	0%	50%
TERMINAL (d)	0/10 (0%)	5/10 (50%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P=0.008**
POLY 1.5	P=0.008**
POLY 6	P=0.008**
COCH-ARM / FISHERS	P=0.016*
MAX-ISO-POLY-3	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)

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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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application: Hair Follicle
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	8/10.00
POLY-3 PERCENT (g)	0%	80%
TERMINAL (d)	0/10 (0%)	8/10 (80%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	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: 14:55:58

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**

Males

DOSE	untreated	100 %
-------------	------------------	--------------

**Skin: Epidermis
Inflammation**

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.033*
POLY 1.5	P=0.033*
POLY 6	P=0.033*
COCH-ARM / FISHERS	P=0.043*
MAX-ISO-POLY-3	P=0.007**

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: 14:55:58

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**

Males

DOSE	untreated	100 %
------	-----------	-------

Skin: Hair Follicle
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	5/10.00
POLY-3 PERCENT (g)	0%	50%
TERMINAL (d)	0/10 (0%)	5/10 (50%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P=0.008**
POLY 1.5	P=0.008**
POLY 6	P=0.008**
COCH-ARM / FISHERS	P=0.016*
MAX-ISO-POLY-3	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: 14:55:58

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**

Males

DOSE	untreated	100 %
------	-----------	-------

Thymus
Atrophy

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 14:55:58

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**

Males

DOSE	untreated	100 %
------	-----------	-------

Thyroid Gland: Follicle Degeneration

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

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: 14:55:58

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Eye: Retrobulbar
Inflammation Neutrophil

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	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: 14:55:58

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Harderian Gland
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 14:55:58

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**

Females

DOSE	untreated	100 %
-------------	------------------	--------------

Harderian Gland
Inflammation Neutrophil

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 14:55:58

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Liver: Centrilobular Hypertrophy

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 14:55:58

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**

Females

DOSE	untreated	100 %
-------------	------------------	--------------

Parathyroid Gland
Cyst

LESION RATES

OVERALL (a)	0/9 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/9.00	1/8.00
POLY-3 PERCENT (g)	0%	12.5%
TERMINAL (d)	0/9 (0%)	1/8 (13%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P=0.476
POLY 1.5	P=0.476
POLY 6	P=0.476
COCH-ARM / FISHERS	P=0.471
MAX-ISO-POLY-3	P=0.149

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: 14:55:58

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**

Females

DOSE	untreated	100 %
-------------	------------------	--------------

**Skin
Fibrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	6/10.00
POLY-3 PERCENT (g)	0%	60%
TERMINAL (d)	0/10 (0%)	6/10 (60%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P=0.005**
MAX-ISO-POLY-3	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: 14:55:58

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**

Females

DOSE **untreated** **100 %**

Skin
Hyperkeratosis

LESION RATES

OVERALL (a)	0/10 (0%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	7/10.00
POLY-3 PERCENT (g)	0%	70%
TERMINAL (d)	0/10 (0%)	7/10 (70%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P=0.002**
MAX-ISO-POLY-3	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)

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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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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: 14:55:58

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	8/10.00
POLY-3 PERCENT (g)	0%	80%
TERMINAL (d)	0/10 (0%)	8/10 (80%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	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: 14:55:58

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin
Inflammation Neutrophil

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 14:55:58

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**

Females

DOSE	untreated	100 %
-------------	------------------	--------------

**Skin
Ulcer**

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	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: 14:55:58

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application
Fibrosis

LESION RATES

OVERALL (a)	0/10 (0%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	9/10.00
POLY-3 PERCENT (g)	0%	90%
TERMINAL (d)	0/10 (0%)	9/10 (90%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	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: 14:55:58

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**

Females

DOSE	untreated	100 %
-------------	------------------	--------------

Skin, Site of Application
Hyperkeratosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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

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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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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: 14:55:58

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**

Females

DOSE	untreated	100 %
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Skin, Site of Application
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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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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**

Females

DOSE	untreated	100 %
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Skin, Site of Application: Epidermis
Inflammation

LESION RATES

OVERALL (a)	0/10 (0%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	7/10.00
POLY-3 PERCENT (g)	0%	70%
TERMINAL (d)	0/10 (0%)	7/10 (70%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P=0.002**
MAX-ISO-POLY-3	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)

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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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin, Site of Application: Hair Follicle
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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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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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin: Epidermis
Inflammation

LESION RATES

OVERALL (a)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	8/10.00
POLY-3 PERCENT (g)	0%	80%
TERMINAL (d)	0/10 (0%)	8/10 (80%)
FIRST INCIDENCE	---	92 (T)

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	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)

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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**

Females

DOSE	untreated	100 %
------	-----------	-------

Skin: Hair Follicle
Hyperplasia

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.095
POLY 1.5	P=0.095
POLY 6	P=0.095
COCH-ARM / FISHERS	P=0.105
MAX-ISO-POLY-3	P=0.025*

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Thymus
Atrophy

LESION RATES

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

STATISTICAL TESTS

POLY 3	P=0.227
POLY 1.5	P=0.227
POLY 6	P=0.227
COCH-ARM / FISHERS	P=0.237
MAX-ISO-POLY-3	P=0.066

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**

Females

DOSE	untreated	100 %
------	-----------	-------

Thyroid Gland: Follicle Degeneration

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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)

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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 ***