

Experiment Number: F35719

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

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

Date Report Requested: 09/21/2018

Time Report Requested: 16:12:31

CAS Number: 54464-57-2

NTP Study Number:	F35719
Study Duration:	13 week
Study Methodology:	Flow Cytometry
Male Study Result:	Equivocal
Female Study Result:	Positive

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Route: Dermal

CAS Number: 54464-57-2

Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (%)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.420 ± 0.160		5	1.470 ± 0.020		1.455 ± 0.079	
6.25	5	2.550 ± 0.240	0.3970	5	1.480 ± 0.040	0.7030	1.524 ± 0.120	0.6200
12.5	5	2.780 ± 0.300	0.4710	5	1.430 ± 0.040	0.7870	1.583 ± 0.080	0.6510
25.0	5	2.430 ± 0.200	0.5010	5	1.390 ± 0.050	0.8200	1.518 ± 0.042	0.6950
50.0	5	2.240 ± 0.140	0.5180	5	1.490 ± 0.020	0.4770	1.466 ± 0.054	0.7170
Trend p-Value		0.8650			0.4420		0.8510	

Trial Summary: Equivocal

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Route: Dermal

CAS Number: 54464-57-2

Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (%)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.130 ± 0.120		5	1.010 ± 0.020		1.522 ± 0.116	
6.25	5	1.760 ± 0.100	0.8770	5	1.010 ± 0.020	0.4720	1.510 ± 0.092	1.0000
12.5	5	2.150 ± 0.050	0.8870	5	1.070 ± 0.040	0.0640	2.060 ± 0.134	0.0530
25.0	5	1.950 ± 0.140	0.9120	5	1.080 ± 0.020	0.0390	1.842 ± 0.207	0.0560
50.0	5	1.850 ± 0.120	0.9240	5	1.150 ± 0.010	0.0010 *	1.961 ± 0.140	0.0450
Trend p-Value		0.8560			< 0.001 *		0.0500	

Trial Summary: Positive

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: 95% Ethanol

**** END OF REPORT ****