

Experiment Number: F28470

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Rat/F344/NTac

G04: In Vivo Micronucleus Summary Data

Date Report Requested: 09/21/2018

Test Compound: 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

NTP Study Number:

F28470

Study Duration:

13 week

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

Experiment Number: F28470

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Time Report Requested: 15:49:45

Route: Dermal

CAS Number: 54464-57-2

Species/Strain: Rat/F344/NTac

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	0.380 ± 0.060		5	0.084 ± 0.010		1.201 ± 0.069	
6.25	5	0.430 ± 0.080	0.4310	5	0.071 ± 0.012	0.9800	1.176 ± 0.028	1.0000
12.5	5	0.360 ± 0.033	0.5090	5	0.039 ± 0.005	0.9930	1.228 ± 0.032	1.0000
25.0	5	0.650 ± 0.065	0.0210 *	5	0.047 ± 0.003	0.9960	1.293 ± 0.073	1.0000
50.0	5	0.500 ± 0.057	0.0220 *	5	0.054 ± 0.008	0.9970	1.001 ± 0.075	0.0220 *
Trend p-Value		0.0450			0.9630		0.0250 *	

Trial Summary: Negative

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CAS Number: 54464-57-2

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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	0.580 ± 0.147		5	0.077 ± 0.027		0.793 ± 0.074	
6.25	5	0.400 ± 0.063	0.6900	5	0.039 ± 0.005	1.0000	0.836 ± 0.122	1.0000
12.5	5	0.550 ± 0.207	0.6530	5	0.058 ± 0.015	1.0000	1.074 ± 0.105	0.3750
25.0	5	0.580 ± 0.060	0.6880	5	0.060 ± 0.011	1.0000	0.685 ± 0.036	1.0000
50.0	5	0.520 ± 0.090	0.7070	5	0.033 ± 0.004	1.0000	0.699 ± 0.048	1.0000
Trend p-Value		0.4540			0.9100		0.2140	

Trial Summary: Negative

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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 ****