

Experiment Number: 303529

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 2,2-bis(Bromomethyl)-1,3-propanediol

CAS Number: 3296-90-0

Date Report Requested: 09/19/2018

Time Report Requested: 15:36:09

NTP Study Number:

303529

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Equivocal

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.60 ± 0.60		48.24 ± 2.27
500.0	1	5.00 ± 0.00	< 0.001 *	26.20 ± 0.00
Trend p-Value		< 0.001 *		
Positive Control ²	4	6.25 ± 0.75	< 0.001 *	29.30 ± 2.90

Trial Summary: Equivocal

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	4	1.38 ± 0.63		39.98 ± 2.85
100.0	4	0.75 ± 0.43	0.8057	35.63 ± 4.60
200.0	4	2.50 ± 0.50	0.1252	50.03 ± 1.68
300.0	4	2.00 ± 0.68	0.2469	31.83 ± 5.15
400.0	2	1.25 ± 1.25	0.5500	25.60 ± 1.10
Trend p-Value		0.2200		
Positive Control ²	4	4.63 ± 1.09	< 0.001 *	38.00 ± 1.15

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.50 ± 0.47		44.08 ± 2.26
100.0	5	2.30 ± 0.25	0.0970	43.78 ± 2.62
200.0	5	2.60 ± 0.75	0.0427	37.36 ± 5.02
400.0	3	4.83 ± 1.17	< 0.001 *	44.03 ± 6.06
Trend p-Value		< 0.001 *		
Positive Control ²	5	7.80 ± 1.28	< 0.001 *	34.98 ± 3.24

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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

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****