

Experiment Number: A30099

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: S-adenosylmethionine chloride

CAS Number: 24346-00-7

Date Report Requested: 09/20/2018

Time Report Requested: 08:47:34

NTP Study Number:

A30099

Study Duration:

3 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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

		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	0.60 ± 0.19		48.70 ± 6.66
500.0	5	3.60 ± 0.51	< 0.001 *	52.10 ± 3.07
1000.0	4	0.88 ± 0.13	0.2475	60.50 ± 7.90
2000.0	4	1.63 ± 0.43	0.0177	56.00 ± 5.44
Trend p-Value		0.4270		
Positive Control ²	3	34.00 ± 3.12	< 0.001 *	38.00 ± 6.76
Trial Summary: Negative				

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		MN PCE/1000	% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	3.00 ± 0.74		63.10 ± 2.51
500.0	5	1.90 ± 0.37	0.9422	54.50 ± 3.35
1000.0	5	2.70 ± 0.51	0.6547	60.60 ± 3.64
2000.0	5	3.10 ± 0.53	0.4490	57.50 ± 3.03
Trend p-Value		0.2620		
Positive Control ²	5	42.50 ± 1.54	< 0.001 *	26.00 ± 3.84
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

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: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****