

Experiment Number: 029073

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 2',3'-Dideoxycytidine

CAS Number: 7481-89-2

Date Report Requested: 09/19/2018

Time Report Requested: 11:40:56

NTP Study Number:

029073

Study Duration:

96 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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Date Report Requested: 09/19/2018

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Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.60 ± 0.19		4.58 ± 0.68
200.0	5	5.00 ± 0.69	0.0029 *	3.46 ± 0.36
1000.0	5	5.00 ± 0.91	0.0029 *	2.92 ± 0.45
2000.0	5	4.50 ± 0.50	0.0119	2.22 ± 0.24
Trend p-Value		0.0990		

Trial Summary: Positive

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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	2.10 ± 0.71		58.80 ± 1.68
500.0	5	3.70 ± 0.83	0.0682	60.30 ± 1.66
1000.0	5	3.50 ± 0.35	0.0923	58.50 ± 2.72
2000.0	5	5.20 ± 1.31	0.0050 *	50.40 ± 2.32
Trend p-Value		0.0070 *		
Positive Control ²	5	4.00 ± 0.76	0.0074 *	60.40 ± 1.40

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

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: Carboxymethylcellulose

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****