

Experiment Number: 848765

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 3'-Azido-3'-deoxythymidine and 2',3'-Dideoxycytidine

CAS Number: AZTDDCCOMB

Date Report Requested: 09/19/2018

Time Report Requested: 20:41:52

NTP Study Number:

848765

Study Duration:

96 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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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	3.80 ± 0.60		4.86 ± 0.37
200.0	5	11.20 ± 1.36	0.0018 *	3.60 ± 0.31
1000.0	5	16.40 ± 4.30	< 0.001 *	4.32 ± 1.62
2000.0	2	16.25 ± 1.25	< 0.001 *	2.80 ± 0.30
Trend p-Value		< 0.001 *		

Trial Summary: Negative

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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	1.80 ± 0.56		57.10 ± 2.71
500.0	5	11.30 ± 2.25	< 0.001 *	54.60 ± 2.55
1000.0	5	18.80 ± 2.29	< 0.001 *	50.90 ± 3.16
2000.0	4	40.50 ± 4.73	< 0.001 *	36.25 ± 8.05
Trend p-Value		< 0.001 *		
Positive Control ²	5	1.70 ± 0.49	0.5672	60.80 ± 1.50

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: Carboxymethylcellulose

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****