

Experiment Number: A70649

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/CD-1

G04: In Vivo Micronucleus Summary Data

Test Compound: 3'-Azido-3'-deoxythymidine and 2',3'-Dideoxyinosine (AIDS initiative)

CAS Number: AZTDDICOMB

Date Report Requested: 09/21/2018

Time Report Requested: 01:30:04

NTP Study Number:

A70649

Study Duration:

9 Weeks

Study Methodology:

Slide Scoring

Female Study Result:

Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 16; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/kg) | N | MN PCE/1000 | | N | MN NCE/1000 | | % PCE |
|------------------------------|----|--------------|-----------|----|--------------|-----------|-------------|
| | | Mean ± SEM | p-Value | | Mean ± SEM | p-Value | Mean ± SEM |
| Vehicle Control [†] | 8 | 1.19 ± 0.30 | | 8 | 2.13 ± 0.41 | | 5.44 ± 1.17 |
| 50.0 | 10 | 9.10 ± 1.40 | 0.0094 | 10 | 9.65 ± 1.91 | < 0.001 * | 5.99 ± 0.90 |
| 75.0 | 9 | 10.61 ± 3.09 | 0.0047 * | 9 | 12.44 ± 1.25 | < 0.001 * | 3.92 ± 0.63 |
| 150.0 | 9 | 29.89 ± 9.01 | < 0.001 * | 9 | 23.94 ± 2.61 | < 0.001 * | 3.21 ± 0.49 |
| Trend p-Value | | < 0.001 * | | | < 0.001 * | | |

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 $p = 0.025$ /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: Maalox

**** END OF REPORT ****