

Experiment Number: A37837

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/P16(INK4A)/(+/-) (C57BL/6)

G04: In Vivo Micronucleus Summary Data

Test Compound: Glycidol

CAS Number: 556-52-5

Date Report Requested: 09/20/2018

Time Report Requested: 11:30:01

NTP Study Number:

A37837

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A37837

G04: In Vivo Micronucleus Summary Data

Date Report Requested: 09/20/2018

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Test Compound: Glycidol

Time Report Requested: 11:30:01

Route: Gavage

CAS Number: 556-52-5

Species/Strain: Mouse/P16(INK4A)(+/-) (C57BL/6)

Tissue: Blood; Sex: Male; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

| MN NCE/1000 | | | |
|------------------------------|----------|-------------------|----------------|
| Dose (mg/kg) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 15 | 1.93 ± 0.27 | |
| 25.0 | 15 | 1.80 ± 0.21 | 0.6474 |
| 50.0 | 14 | 2.54 ± 0.23 | 0.0619 |
| 100.0 | 15 | 2.90 ± 0.35 | 0.0079 |
| 200.0 | 14 | 3.82 ± 0.35 | < 0.001 * |
| Trend p-Value | | < 0.001 * | |

Trial Summary: Positive

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Route: Gavage

CAS Number: 556-52-5

Species/Strain: Mouse/P16(INK4A)(+/-) (C57BL/6)

Tissue: Blood; Sex: Female; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

| MN NCE/1000 | | | |
|------------------------------|----------|-------------------|----------------|
| Dose (mg/kg) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 14 | 1.07 ± 0.21 | |
| 25.0 | 15 | 1.20 ± 0.19 | 0.3231 |
| 50.0 | 15 | 1.17 ± 0.17 | 0.3660 |
| 100.0 | 15 | 1.37 ± 0.17 | 0.1548 |
| 200.0 | 14 | 2.07 ± 0.27 | 0.0014 * |
| Trend p-Value | | < 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 $p = 0.025/\text{number of treatment groups}$; 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: Water

**** END OF REPORT ****