

Experiment Number: A48958

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: 16:29:50

NTP Study Number:

A48958

Study Duration:

46 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

Experiment Number: A48958

G04: In Vivo Micronucleus Summary Data

Date Report Requested: 09/20/2018

Test Type: Genetic Toxicology - Micronucleus

Test Compound: Glycidol

Time Report Requested: 16:29:50

Route: Gavage

CAS Number: 556-52-5

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

Tissue: Blood; Sex: Male; Number of Treatments: 32; 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	2.13 ± 0.19	
25.0	15	1.87 ± 0.24	0.7676
50.0	15	2.13 ± 0.24	0.5000
100.0	15	2.27 ± 0.28	0.3637
200.0	15	2.77 ± 0.27	0.0583
Trend p-Value		0.0130 *	

Trial Summary: Negative

Experiment Number: A48958
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: 16:29:50

Tissue: Blood; Sex: Female; Number of Treatments: 32; 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	1.13 ± 0.17	
25.0	15	1.30 ± 0.22	0.2791
50.0	15	2.10 ± 0.22	0.0016 *
100.0	15	2.03 ± 0.26	0.0028 *
200.0	15	1.77 ± 0.24	0.0208
Trend p-Value		0.0320	

Trial Summary: Negative

Experiment Number: A48958

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: 16:29:50

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 ****