

Experiment Number: A73501

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Milk thistle extract

CAS Number: 84604-20-6

Date Report Requested: 09/21/2018

Time Report Requested: 03:05:39

NTP Study Number:

A73501

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

Experiment Number: A73501
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Feed
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Milk thistle extract
CAS Number: 84604-20-6

Date Report Requested: 09/21/2018
Time Report Requested: 03:05:39

Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

| MN NCE/1000 | | | |
|------------------------------|----------|-------------------|----------------|
| Dose (ppm) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 5 | 4.60 ± 0.58 | |
| 3125.0 | 5 | 4.90 ± 0.78 | 0.3788 |
| 6250.0 | 5 | 5.10 ± 0.62 | 0.3054 |
| 12500.0 | 5 | 3.60 ± 0.73 | 0.8658 |
| 25000.0 | 5 | 6.10 ± 0.62 | 0.0730 |
| 50000.0 | 5 | 4.60 ± 0.56 | 0.5000 |
| Trend p-Value | | 0.3910 | |

Trial Summary: Negative

Experiment Number: A73501

G04: In Vivo Micronucleus Summary Data

Date Report Requested: 09/21/2018

Test Type: Genetic Toxicology - Micronucleus

Test Compound: Milk thistle extract

Time Report Requested: 03:05:39

Route: Dosed-Feed

CAS Number: 84604-20-6

Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

| MN NCE/1000 | | | |
|------------------------------|----------|-------------------|----------------|
| Dose (ppm) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 5 | 3.70 ± 0.46 | |
| 3125.0 | 5 | 4.40 ± 0.62 | 0.2179 |
| 6250.0 | 5 | 3.00 ± 0.35 | 0.8042 |
| 12500.0 | 5 | 3.60 ± 0.48 | 0.5467 |
| 25000.0 | 5 | 2.20 ± 0.25 | 0.9748 |
| 50000.0 | 5 | 2.90 ± 0.29 | 0.8380 |
| Trend p-Value | | 0.9600 | |

Trial Summary: Negative

Experiment Number: A73501

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Milk thistle extract

CAS Number: 84604-20-6

Date Report Requested: 09/21/2018

Time Report Requested: 03:05:39

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: Solvent

**** END OF REPORT ****