

Experiment Number: **A64425**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Berberine chloride**
CAS Number: **633-65-8**

Date Report Requested: **09/20/2018**

Time Report Requested: **23:16:32**

NTP Study Number: A64425
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 72 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.50 ± 0.27		68.10 ± 4.07	
41.125	5	1.80 ± 0.20	0.3006	52.30 ± 2.69	
82.25	5	1.20 ± 0.25	0.7183	63.60 ± 3.77	
164.5	5	1.20 ± 0.25	0.7183	66.00 ± 3.37	
329.0	5	1.40 ± 0.29	0.5737	65.60 ± 4.84	
658.0	5	0.80 ± 0.30	0.9279	58.50 ± 4.80	
Trend p-Value		0.9460			
Positive Control ²	5	29.11 ± 4.97	< 0.001 *	54.90 ± 5.45	

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: Phosphate Buffered Saline

2: 20.0 mg/kg Cyclophosphamide

**** END OF REPORT ****