

Experiment Number: **G10339**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Oral Gavage**

Species/Strain: **Rat/Sprague Dawley**

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **2,5-Pyridinedicarboxylic Acid Dipropyl Ester**

CAS Number: **136-45-8**

Date Report Requested: **02/27/2019**

Time Report Requested: **11:07:13**

NTP Study Number:

G10339

Study Duration:

4 day

Male Study Result:

Negative

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Sex: Male; Number of Treatments: 4

Dose (mg/kg/day)	N	Blood		Frozen Blood		
		Percent Tail DNA	p-Value	N	Percent Tail DNA	p-Value
Vehicle Control ¹	6	1.240 ± 0.105		6	1.193 ± 0.108	
600	6	1.445 ± 0.119	0.1128	6	1.813 ± 0.598	0.1654
Trend p-Value		0.1136			0.1655	
Positive Control ²	6	17.002 ± 0.855	0.0020 *	6	22.870 ± 1.173	< 0.001 *

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Sex: Male; Number of Treatments: 4

Dose (mg/kg/day)	N	Frozen Liver		N	Liver	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control ¹	6	7.727 ± 0.790		6	2.848 ± 0.472	
600	6	8.005 ± 0.403	0.3798	6	3.009 ± 0.382	0.3978
Trend p-Value		0.3801			0.3979	
Positive Control ²	6	28.134 ± 0.712	< 0.001 *	6	23.334 ± 1.093	0.0020 *

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LEGEND

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil/Acetone (99:1)

2: 200 mg/kg/day Ethyl Methanesulfonate

**** END OF REPORT ****