

Experiment Number: **G306376**

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

Route: **Oral Gavage**

Species/Strain: **Rat/HSD**

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **1,2-Dimethylhydrazine 2HCl**

CAS Number: **306-37-6**

Date Report Requested: **08/31/2018**

Time Report Requested: **13:23:21**

NTP Study Number:

G306376

Study Duration:

3 day

Male Study Result:

Positive

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Route: Oral Gavage

Species/Strain: Rat/HSD

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Test Compound: 1,2-Dimethylhydrazine 2HCl

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

Dose (mg/kg/day)	N	Liver		N	Stomach	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control ¹	5	0.177 ± 0.033		5	11.970 ± 1.691	
1.56	5	7.911 ± 0.744	0.2469	5	14.879 ± 2.000	0.3272
3.13	5	13.262 ± 1.111	0.0058 *	5	11.546 ± 2.174	0.3907
6.25	5	16.338 ± 1.239	< 0.001 *	5	14.803 ± 1.720	0.1995
Trend p-Value		< 0.001 *			0.2403	
Positive Control ²	5	11.828 ± 0.799	0.0045 *	5	31.877 ± 1.361	< 0.001 *

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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: 0.9% Saline

2: 200 mg/kg/day EMS

**** END OF REPORT ****