

Experiment Number: F75748B

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

Route: **Oral Gavage**

Species/Strain: **Mouse/B6C3F1/N**

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **Vinclozolin**

CAS Number: **50471-44-8**

Date Report Requested: **10/25/2018**

Time Report Requested: **11:43:11**

NTP Study Number: F75748B

Study Duration: 4 day

Male Study Result: Positive

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Route: Oral Gavage

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Test Compound: Vinclozolin

CAS Number: 50471-44-8

Date Report Requested: 10/25/2018

Time Report Requested: 11:43:11

Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 4 h

Dose (mg/kg/day)	Blood			Liver		
	N	Percent Tail DNA	p-Value	N	Percent Tail DNA	p-Value
Vehicle Control ¹	5	8.629 ± 0.558		5	19.379 ± 0.964	
45	5	8.154 ± 0.542	0.5828	5	22.153 ± 1.701	0.3284
90	5	9.134 ± 1.361	0.3978	5	24.349 ± 1.879	0.0557
180	5	9.189 ± 0.381	0.4032	5	26.959 ± 0.969	0.0082 *
Trend p-Value		0.2280			0.0015 *	
Positive Control ²	5	15.873 ± 0.461	< 0.001 *	5	25.130 ± 0.780	< 0.001 *

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Stomach

Dose (mg/kg/day)	N	Percent Tail DNA	p-Value
Vehicle Control ¹	5	46.067 ± 1.137	
45	5	39.620 ± 4.094	0.7811
90	5	44.187 ± 2.810	0.8570
180	5	41.106 ± 3.051	0.8831
Trend p-Value		0.7737	
Positive Control ²	5	43.835 ± 4.610	0.6992

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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

2: 25 mg/kg/day Cyclophosphamide

**** END OF REPORT ****