

G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: C12011-01

Test Compound: Bumetrizole

Date: 14 May 2026

DTTID: 104-015-004-000-5

CAS Number: 3896-11-5

Time: 3:27:17 PM

Study Type: Toxicology-14-day

DTXSID: DTXSID9036438

Species/Strain: Rat/Harlan Sprague Dawley

Evaluation of micronuclei in peripheral blood from Sprague-Dawley Rats for 14 days via oral gavage

Summary of Results	
Results	
Overall Result	Negative
Male Rat Study	Negative

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Evaluation of micronuclei in peripheral blood from Male Sprague-Dawley Rats for 14 days via oral gavage

Bumetrizole; Male				
	MN-RET/1000	MN-ME/1000	%RET	Summary
Vehicle Control (0.5% Aqueous Methylcellulose)				
0 mg/kg/day	0.580 ± 0.06[5]	0.038 ± 0.00[5]	1.064 ± 0.04[5]	
Test Article				
30 mg/kg/day	0.670 ± 0.12[5], p=1.000	0.046 ± 0.00[5], p=0.650	1.200 ± 0.08[5], p=0.514	
100 mg/kg/day	0.730 ± 0.06[5], p=0.277	0.048 ± 0.01[5], p=0.527	1.183 ± 0.06[5], p=0.470	
300 mg/kg/day	0.613 ± 0.10[4], p=1.000	0.048 ± 0.01[4], p=0.451	1.061 ± 0.06[4], p=1.000	
1000 mg/kg/day	0.810 ± 0.07[5], p=0.113	0.035 ± 0.01[5], p=1.000	1.178 ± 0.06[5], p=0.779	
Trend Significance				
p-value	0.046	0.600	0.542	
Male Rat Study				
Result				Negative

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LEGEND

CAS Number = Chemical Abstract Service registry number

MN = micronucleated; RET = reticulocyte; ME = mature erythrocyte

Values given as Mean $\pm$ Standard Error of the Mean (SEM) [Number of Test Subjects], p-value

MN-RET/1000 and MN-ME/1000: Pairwise comparison of treated groups vs the vehicle control group; values are significant at $p \leq 0.025$ by one-sided Dunn's test; dose-related trend, significant at $p \leq 0.025$ by one-sided Jonckheere's test

%RET: Pairwise comparison of treated groups vs the vehicle control group; values are significant at $p \leq 0.025$ by two-sided Dunn's test; dose-related trend, significant at $p \leq 0.025$ by two-sided Jonckheere's test

*Statistically significant pairwise or trend test

**** END OF REPORT ****