

Study Number: C12013-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Sex:

PWG Approval Date:

Version:

Stat Version:

PA43: Hematology Summary

Test Compound: 2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol

CAS Number: 3864-99-1

C12013-01

Male

See web page for date of PWG Approval

v1.7.5

2.1.1A

Date Report Requested: 04/20/2026

Time Report Requested: 11:52:47

Lab: Battelle

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Male									
		Treatment Groups (mg/kg)							
	Phase Day	0		30		100		300	
Hematocrit (%)	SD 14	49.9	± 0.8 (5)	50.2	± 0.9 (5)	49.4	± 0.9 (5)	49.7	± 1.1 (5)
Percent of Control				100.6		99.0		99.7	
Manual Hematocrit (%)	SD 14	50.2	± 0.9 (5)	48.0	± 0.7 (5)	47.2	± 0.7 (5)	48.2	± 0.9 (5)
Percent of Control				95.6		94.0		96.0	
Hemoglobin (g/dL)	SD 14	14.8	± 0.6 (5)	15.6	± 0.3 (5)	15.2	± 0.2 (5)	15.3	± 0.2 (5)
Percent of Control				106.0		103.0		103.9	
Erythrocytes (10 ⁶ /uL)	SD 14	8.76	± 0.08 (5) *	8.79	± 0.24 (5)	8.59	± 0.10 (5)	8.57	± 0.15 (5)
Percent of Control				100.3		98.1		97.8	
Reticulocytes (10 ³ /uL)	SD 14	265.1	± 28.3 (5)	186.7	± 10.1 (5)	191.2	± 21.6 (5)	206.3	± 13.1 (5)
Percent of Control				70.4		72.1		77.8	
Mean Cell Volume (fL)	SD 14	56.9	± 0.5 (5)	57.1	± 0.9 (5)	57.5	± 0.8 (5)	58.0	± 0.4 (5)
Percent of Control				100.4		101.0		101.9	
Mean Cell Hemoglobin (pg)	SD 14	16.8	± 0.7 (5) *	17.8	± 0.3 (5)	17.7	± 0.2 (5)	17.9	± 0.1 (5)
Percent of Control				105.8		105.0		106.2	
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	29.6	± 1.1 (5)	31.2	± 0.1 (5)	30.7	± 0.2 (5)	30.9	± 0.3 (5)
Percent of Control				105.3		103.8		104.3	
Platelets (10 ³ /uL)	SD 14	704	± 79 (5) *	929	± 54 (5)	1110	± 52 (5) **	946	± 64 (5)
Percent of Control				132.0		157.8		134.5	
White Blood Cells (10 ³ /uL)	SD 14	9.02	± 1.78 (5)	11.76	± 1.64 (5)	9.10	± 0.70 (5)	11.00	± 1.46 (5)
Percent of Control				130.4		101.0		122.0	
Neutrophils (10 ³ /uL)	SD 14	2.21	± 0.92 (5)	1.29	± 0.14 (5)	0.91	± 0.11 (5)	1.32	± 0.22 (5)
Percent of Control				58.6		41.3		59.8	

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Male

		Treatment Groups (mg/kg)			
	Phase Day	0	30	100	300
Lymphocytes (10 ³ /uL)	SD 14	6.19 ± 1.08 (5)	9.87 ± 1.39 (5)	7.73 ± 0.58 (5)	9.13 ± 1.21 (5)
Percent of Control			159.3	124.8	147.3
Monocytes (10 ³ /uL)	SD 14	0.30 ± 0.13 (5)	0.36 ± 0.10 (5)	0.29 ± 0.06 (5)	0.35 ± 0.10 (5)
Percent of Control			122.3	98.0	118.9
Basophils (10 ³ /uL)	SD 14	0.04 ± 0.02 (5)	0.06 ± 0.01 (5)	0.04 ± 0.00 (5)	0.05 ± 0.01 (5)
Percent of Control			147.6	85.7	128.6
Eosinophils (10 ³ /uL)	SD 14	0.23 ± 0.11 (5)	0.09 ± 0.02 (5)	0.07 ± 0.01 (5)	0.06 ± 0.01 (5)
Percent of Control			40.5	31.9	26.7
Large Unstained Cells (10 ³ /uL)	SD 14	0.05 ± 0.01 (5)	0.08 ± 0.02 (5)	0.06 ± 0.01 (5)	0.08 ± 0.02 (5)
Percent of Control			156.0	124.0	168.0

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Male

		Treatment Groups		
	Phase Day	1000		
Hematocrit (%)	SD 14	48.1	± 0.7	(4)
Percent of Control		96.5		
Manual Hematocrit (%)	SD 14	47.4	± 1.0	(5)
Percent of Control		94.4		
Hemoglobin (g/dL)	SD 14	15.0	± 0.2	(4)
Percent of Control		101.6		
Erythrocytes (10 ⁶ /uL)	SD 14	8.35	± 0.06	(4)
Percent of Control		95.3		
Reticulocytes (10 ³ /uL)	SD 14	195.8	± 4.8	(4)
Percent of Control		73.9		
Mean Cell Volume (fL)	SD 14	57.6	± 0.5	(4)
Percent of Control		101.2		
Mean Cell Hemoglobin (pg)	SD 14	18.0	± 0.1	(4)
Percent of Control		106.6		
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	31.2	± 0.1	(4)
Percent of Control		105.2		
Platelets (10 ³ /uL)	SD 14	1063	± 57	(4) *
Percent of Control		151.0		
White Blood Cells (10 ³ /uL)	SD 14	11.16	± 1.15	(4)
Percent of Control		123.8		
Neutrophils (10 ³ /uL)	SD 14	1.23	± 0.15	(4)
Percent of Control		55.8		

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Male		
	Phase Day	Treatment Groups
		1000
Lymphocytes (10 ³ /uL)	SD 14	9.41 ± 1.03 (4)
Percent of Control		151.8
Monocytes (10 ³ /uL)	SD 14	0.30 ± 0.03 (4)
Percent of Control		100.5
Basophils (10 ³ /uL)	SD 14	0.04 ± 0.01 (4)
Percent of Control		101.2
Eosinophils (10 ³ /uL)	SD 14	0.10 ± 0.00 (4)
Percent of Control		42.0
Large Unstained Cells (10 ³ /uL)	SD 14	0.08 ± 0.01 (4)
Percent of Control		165.0

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LEGEND

Values given as mean $\pm$ SEM (N) with Percent of Control calculated by (dosed group mean / control group mean) x 100.

SD = Study Day

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

* Statistically significant at $p \leq 0.05$

** Statistically significant at $p \leq 0.01$

SEM = Standard Error of the Mean

Hematology data not reported was removed as an outlier, or was due to pre-analytical or analytical conditions or errors including but not limited to: short sample, quantity not sufficient, or clotted sample.

**** END OF REPORT ****