

Study Number: C12007-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Sex:

PWG Approval Date:

Version:

PA43: Hematology Summary

Test Compound: 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol)

CAS Number: 70321-86-7

C12007-01

Male

See web page for date of PWG Approval

v1.2.0

Date Report Requested: 05/19/2021

Time Report Requested: 05:55:17

Lab: Battelle

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Male						
		Treatment Groups (mg/kg)				
	Phase Day	0	30	100	300	
Hematocrit (%)	SD 14	49.0 ± 0.7 (5)	49.7 ± 0.7 (5)	50.6 ± 0.9 (5)	49.4 ± 0.7 (5)	
Percent of Control			101.4	103.3	100.8	
Manual Hematocrit (%)	SD 14	48.0 ± 0.6 (5)	47.8 ± 0.4 (5)	48.4 ± 0.9 (5)	47.2 ± 0.4 (5)	
Percent of Control			99.6	100.8	98.3	
Hemoglobin (g/dL)	SD 14	15.6 ± 0.2 (5)	15.5 ± 0.2 (5)	15.8 ± 0.3 (5)	15.6 ± 0.2 (5)	
Percent of Control			99.7	101.5	100.4	
Erythrocytes (10 ⁶ /uL)	SD 14	8.69 ± 0.18 (5)	8.77 ± 0.19 (5)	8.85 ± 0.08 (5)	8.77 ± 0.09 (5)	
Percent of Control			101.0	101.8	100.9	
Reticulocytes (10 ³ /uL)	SD 14	215.4 ± 9.5 (5)	215.9 ± 4.7 (5)	216.6 ± 5.4 (5)	208.9 ± 14.1 (5)	
Percent of Control			100.2	100.5	97.0	
Mean Cell Volume (fL)	SD 14	56.4 ± 0.5 (5)	56.7 ± 0.7 (5)	57.2 ± 0.5 (5)	56.3 ± 0.4 (5)	
Percent of Control			100.4	101.4	99.8	
Mean Cell Hemoglobin (pg)	SD 14	17.9 ± 0.2 (5)	17.7 ± 0.2 (5)	17.9 ± 0.2 (5)	17.8 ± 0.1 (5)	
Percent of Control			98.9	99.9	99.3	
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	31.7 ± 0.2 (5)	31.3 ± 0.2 (5)	31.3 ± 0.1 (5)	31.7 ± 0.2 (5)	
Percent of Control			98.6	98.6	99.7	
Platelets (10 ³ /uL)	SD 14	893 ± 51 (5)	872 ± 106 (5)	915 ± 32 (5)	792 ± 75 (5)	
Percent of Control			97.7	102.5	88.8	
White Blood Cells (10 ³ /uL)	SD 14	11.85 ± 1.21 (5)	10.78 ± 0.87 (5)	10.78 ± 0.96 (5)	13.01 ± 1.80 (5)	
Percent of Control			91.0	91.0	109.8	
Neutrophils (10 ³ /uL)	SD 14	1.04 ± 0.11 (5)	1.04 ± 0.14 (5)	1.10 ± 0.17 (5)	1.49 ± 0.27 (5)	
Percent of Control			99.6	105.4	142.9	

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	Phase Day	Treatment Groups (mg/kg)							
		0		30		100		300	
Lymphocytes (10 ³ /uL)	SD 14	10.14 ±	1.05 (5)	9.17 ±	0.76 (5)	9.04 ±	0.74 (5)	10.60 ±	1.44 (5)
Percent of Control				90.4		89.1		104.5	
Monocytes (10 ³ /uL)	SD 14	0.42 ±	0.06 (5)	0.33 ±	0.04 (5)	0.43 ±	0.07 (5)	0.49 ±	0.09 (5)
Percent of Control				78.3		100.5		115.6	
Basophils (10 ³ /uL)	SD 14	0.06 ±	0.02 (5)	0.04 ±	0.01 (5)	0.05 ±	0.01 (5)	0.06 ±	0.01 (5)
Percent of Control				62.5		71.9		87.5	
Eosinophils (10 ³ /uL)	SD 14	0.06 ±	0.01 (5)	0.11 ±	0.02 (5)	0.06 ±	0.01 (5)	0.24 ±	0.13 (5)
Percent of Control				176.7		103.3		403.3	
Large Unstained Cells (10 ³ /uL)	SD 14	0.11 ±	0.02 (5)	0.08 ±	0.01 (5)	0.11 ±	0.02 (5)	0.13 ±	0.02 (5)
Percent of Control				75.0		94.6		112.5	

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Male

		Treatment Groups		
	Phase Day	1000		
Hematocrit (%)	SD 14	50.4	± 1.0	(5)
Percent of Control		102.8		
Manual Hematocrit (%)	SD 14	48.6	± 0.8	(5)
Percent of Control		101.3		
Hemoglobin (g/dL)	SD 14	15.7	± 0.2	(5)
Percent of Control		100.9		
Erythrocytes (10 ⁶ /uL)	SD 14	8.83	± 0.11	(5)
Percent of Control		101.6		
Reticulocytes (10 ³ /uL)	SD 14	216.1	± 11.3	(5)
Percent of Control		100.3		
Mean Cell Volume (fL)	SD 14	57.1	± 0.8	(5)
Percent of Control		101.2		
Mean Cell Hemoglobin (pg)	SD 14	17.8	± 0.2	(5)
Percent of Control		99.2		
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	31.2	± 0.2	(5)
Percent of Control		98.2		
Platelets (10 ³ /uL)	SD 14	821	± 72	(5)
Percent of Control		92.0		
White Blood Cells (10 ³ /uL)	SD 14	12.49	± 1.16	(5)
Percent of Control		105.4		
Neutrophils (10 ³ /uL)	SD 14	2.52	± 1.45	(5)
Percent of Control		241.4		

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Male

	Phase Day	Treatment Groups
		1000
Lymphocytes (10 ³ /uL)	SD 14	9.14 ± 2.28 (5)
Percent of Control		90.1
Monocytes (10 ³ /uL)	SD 14	0.62 ± 0.20 (5)
Percent of Control		146.2
Basophils (10 ³ /uL)	SD 14	0.07 ± 0.02 (5)
Percent of Control		103.1
Eosinophils (10 ³ /uL)	SD 14	0.06 ± 0.03 (5)
Percent of Control		100.0
Large Unstained Cells (10 ³ /uL)	SD 14	0.08 ± 0.04 (5)
Percent of Control		75.0

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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 were 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 $P \leq 0.01$

**** END OF REPORT ****