

Study Number: C13114-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Sex:

PWG Approval Date:

Version:

Stat Version:

PA41: Clinical Chemistry Summary

Test Compound: 2-(2H-Benzotriazol-2-yl)-4-tert-butylphenol

CAS Number: 3147-76-0

C13114-01

Male

See web page for date of PWG Approval

v1.7.6

2023.02.27S

Date Report Requested: 04/23/2026

Time Report Requested: 12:40:03

Lab: Battelle

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Male						
	Phase Day	Treatment Groups (mg/kg)				
		0	30	100	300	1000
Urea Nitrogen (mg/dL)	SD 14	17.6 ± 1.0 (5)	18.0 ± 0.6 (5)	16.6 ± 0.7 (5)	17.8 ± 0.5 (5)	18.4 ± 0.7 (5)
Percent of Control			102.3	94.3	101.1	104.5
Creatinine (mg/dL)	SD 14	0.40 ± 0.03 (5)	0.40 ± 0.00 (5)	0.42 ± 0.02 (5)	0.40 ± 0.00 (5)	0.40 ± 0.00 (5)
Percent of Control			100.0	105.0	100.0	100.0
Glucose (mg/dL)	SD 14	194.2 ± 12.3 (5)	190.4 ± 13.5 (5)	188.8 ± 8.6 (5)	197.4 ± 17.5 (5)	178.4 ± 9.5 (5)
Percent of Control			98.0	97.2	101.6	91.9
Total Protein (g/dL)	SD 14	6.60 ± 0.09 (5) **	6.82 ± 0.05 (5)	6.76 ± 0.07 (5)	6.96 ± 0.06 (5) *	7.06 ± 0.21 (5) *
Percent of Control			103.3	102.4	105.5	107.0
Globulin (g/dL)	SD 14	2.30 ± 0.06 (5)	2.40 ± 0.06 (5)	2.32 ± 0.09 (5)	2.48 ± 0.06 (5)	2.52 ± 0.13 (5)
Percent of Control			104.3	100.9	107.8	109.6
A/G Ratio	SD 14	1.87 ± 0.05 (5)	1.85 ± 0.07 (5)	1.93 ± 0.08 (5)	1.81 ± 0.06 (5)	1.82 ± 0.08 (5)
Percent of Control			98.6	102.7	96.6	96.9
Albumin (g/dL)	SD 14	4.30 ± 0.05 (5) *	4.42 ± 0.06 (5)	4.44 ± 0.04 (5)	4.48 ± 0.06 (5)	4.54 ± 0.11 (5)
Percent of Control			102.8	103.3	104.2	105.6
Cholesterol (mg/dL)	SD 14	115.8 ± 2.5 (5) **	132.6 ± 2.3 (5) **	144.0 ± 5.4 (5) **	146.4 ± 3.1 (5) **	165.4 ± 15.0 (5) **
Percent of Control			114.5	124.4	126.4	142.8
Triglyceride (mg/dL)	SD 14	118.4 ± 9.2 (5) **	91.4 ± 7.7 (5) *	93.4 ± 8.1 (5) *	91.6 ± 7.5 (5) *	70.4 ± 9.9 (5) **
Percent of Control			77.2	78.9	77.4	59.5
Alanine Aminotransferase (IU/L)	SD 14	59.0 ± 3.3 (5) *	51.0 ± 2.5 (5)	53.8 ± 2.0 (5)	46.6 ± 2.5 (5) *	48.8 ± 1.0 (5)
Percent of Control			86.4	91.2	79.0	82.7
Alkaline Phosphatase (IU/L)	SD 14	185.8 ± 9.7 (5) **	186.0 ± 9.4 (5)	173.0 ± 6.2 (5)	158.8 ± 4.4 (5) *	159.0 ± 3.0 (5) *
Percent of Control			100.1	93.1	85.5	85.6

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		Treatment Groups (mg/kg)						
	Phase Day	0	30	100	300	1000		
Creatine Kinase (IU/L)	SD 14	137.8 ± 16.5 (4)	173.2 ± 35.2 (5)	141.2 ± 20.5 (5)	128.6 ± 10.7 (5)	174.8 ± 31.9 (5)		
Percent of Control			125.7	102.5	93.4	126.9		
Sorbitol Dehydrogenase (IU/L)	SD 14	11.2 ± 0.3 (5)	9.7 ± 0.9 (5)	10.2 ± 0.6 (5)	9.6 ± 1.0 (5)	12.2 ± 1.2 (5)		
Percent of Control			86.8	90.9	85.7	109.1		
Bile salt/acids (µmol/L)	SD 14	29.2 ± 9.1 (5) *	18.8 ± 3.1 (5)	23.0 ± 4.6 (5)	4.6 ± 1.4 (5) *	10.6 ± 2.4 (5)		
Percent of Control			64.4	78.8	15.8	36.3		

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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

Clinical chemistry data not reported was removed as an outlier, or was due to pre-analytical or analytical conditions or errors including but not limited to:
below linearity, short sample, quantity not sufficient, or extreme hemolysis.

**** END OF REPORT ****