Study Number:	I10482
Study Gender:	Female
PWG Approval Date:	See web page for date of PWG Approval
Version:	v1.1.1

Study Number: I10482
Test Type: TOX
Route: Dosing in Feed
Species/Strain: Mouse/B6C3F1/N

M11: Spleen Cell Proliferative Response to Anti-CD3 Stimulation
Test Compound: N-Butylbenzenesulfonamide
CAS Number: 3622-84-2

Date Report Requested: 11/19/2020
Time Report Requested: 15:17:14
Lab: Burleson Research Technologies

Females: Immunophenotyping

	Treatment Groups (ppm)													
	0		**313**		**625**		**1250**		**2500**		**5000**		**50 mg/kg CPS**	
CD3+ T-Cell (%)	21.0 ±	1.3 (8) **	16.8 ±	0.5 (8) *	15.4 ±	1.3 (8) **	14.0 ±	0.6 (8) **	12.6 ±	0.5 (8) **	11.2 ±	0.6 (8) **	20.1 ±	2.4 (8)
Proliferating CD3+ T-cells (%)	46.2 ±	0.8 (8)	50.6 ±	1.7 (8)	57.3 ±	2.3 (8) **	52.9 ±	2.2 (8)	49.1 ±	2.6 (8)	49.8 ±	1.9 (8)	48.2 ±	1.9 (8)
Proliferation Index	19880.5 ±	1426.5 (8) **	35569.0 ±	4848.4 (8) *	59894.1 ±	11880.4 (8) **	59251.6 ±	8125.3 (8) **	62683.2 ±	11678.9 (8) **	63849.7 ±	11918.2 (8) **	8064.1 ±	712.8 (8) **
Stimulation Index	26.1 ±	4.0 (8)	33.3 ±	7.8 (8)	56.5 ±	10.3 (8)	42.0 ±	7.5 (8)	34.0 ±	7.6 (8)	54.6 ±	15.8 (8)	35.5 ±	5.8 (8)

LEGEND

Data are displayed as mean ± SEM (N) unless otherwise noted.
Proliferation Index is the product of the number of CD3+ / EdU+ T-cells mulriplied by the mean fluorescent intensity of the CD3+ / EdU+ T-cell population.
Stimulation index is determined by dividing the Proliferation Index of cells stimulated by anti-CD3 by the Proliferation Index of non-stimulated cells.
Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.
Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.
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 <= 0.05
** Statistically significant at P <= 0.01
CPS = Cyclophosphamide

** END OF REPORT **