

Study Number: MOG10482-01
Test Type: MOG - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Harlan Sprague Dawley

R19G: Pup Mean Body Weight Gain
Test Compound: N-Butylbenzenesulfonamide
CAS Number: 3622-84-2

Date Report Requested: 01/06/2023
Time Report Requested: 06:46:10
Lab: NTP

Study Number: MOG10482-01
Study Gender: Female
PWG Approval Date: See web page for date of PWG Approval
Version: v1.4.3
Stat Version: S

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F1 Males

Phase	Days	Treatment Groups (ppm)							
		0		625		1250		2500	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.81 ± 0.09 **	38 (8)	3.49 ± 0.26	35 (6)	3.22 ± 0.29	39 (7)	3.23 ± 0.04	23 (5)
	4 - 7	4.66 ± 0.17 **	37 (8)	4.25 ± 0.28	35 (6)	3.99 ± 0.51	39 (7)	3.00 ± 0.18 *	23 (5)
	7 - 14	12.23 ± 0.51 **	37 (8)	12.36 ± 0.61	35 (6)	12.42 ± 0.49	37 (7)	9.69 ± 0.35 *	23 (5)
	14 - 21	19.76 ± 0.70 **	37 (8)	18.78 ± 0.42	35 (6)	17.31 ± 1.02	37 (7)	12.18 ± 0.57 **	23 (5)
	21 - 25	19.42 ± 0.93 **	37 (8)	18.19 ± 0.71	35 (6)	16.49 ± 1.00	37 (7)	14.31 ± 0.59 **	23 (5)
	25 - 28	14.10 ± 0.92 **	22 (5)	12.13 ± 0.92	29 (5)	13.90 ± 0.74	25 (5)	9.21 ± 0.00	4 (1)
	1 - 28	74.27 ± 3.11 **	22 (5)	70.47 ± 1.86	29 (5)	71.29 ± 1.94	25 (5)	51.20 ± 0.00 **	4 (1)

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F1 Males

Phase	Days	Treatment Groups (ppm)	
		5000	
		WT Gain (g)	N
PND	1 - 4	1.93 ± 0.30 **	36 (6)
	4 - 7	1.76 ± 0.46 **	36 (6)
	7 - 14	6.43 ± 0.93 **	33 (6)
	14 - 21	8.44 ± 1.13 **	29 (6)
	21 - 25	7.19 ± 0.98 **	29 (6)
	25 - 28	7.75 ± 0.17	13 (3)
	1 - 28	35.22 ± 2.00 **	13 (3)

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F1 Females

Phase	Days	Treatment Groups (ppm)							
		0		625		1250		2500	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.64 ± 0.16 **	50 (8)	3.36 ± 0.18	33 (6)	3.37 ± 0.27	39 (7)	2.93 ± 0.09	24 (5)
	4 - 7	4.11 ± 0.25 **	50 (8)	4.09 ± 0.29	33 (6)	4.09 ± 0.47	39 (7)	3.18 ± 0.29	24 (5)
	7 - 14	11.52 ± 0.44 **	49 (8)	11.87 ± 0.53	32 (6)	12.02 ± 0.59	38 (7)	9.68 ± 0.58 **	24 (5)
	14 - 21	17.94 ± 0.49 **	49 (8)	17.25 ± 0.62	32 (6)	15.45 ± 0.69	38 (7)	12.06 ± 0.75 **	24 (5)
	21 - 25	17.00 ± 0.76 **	49 (8)	15.96 ± 0.41	32 (6)	14.17 ± 1.20	38 (7)	12.67 ± 0.40 *	24 (5)
	25 - 28	11.63 ± 0.60 *	26 (5)	10.02 ± 0.84	29 (5)	10.42 ± 0.52	27 (5)	9.02 ± 0.00	7 (1)
	1 - 28	66.62 ± 1.69 **	26 (5)	63.54 ± 2.04	29 (5)	63.18 ± 0.98	27 (5)	47.86 ± 0.00 **	7 (1)

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F1 Females

Phase	Days	Treatment Groups (ppm)	
		5000	
		WT Gain (g)	N
PND	1 - 4	1.87 ± 0.27 **	26 (6)
	4 - 7	1.27 ± 0.38 **	26 (6)
	7 - 14	5.55 ± 0.56 **	23 (6)
	14 - 21	7.64 ± 0.82 **	23 (6)
	21 - 25	7.08 ± 0.55 **	23 (6)
	25 - 28	6.50 ± 0.06	7 (3)
	1 - 28	29.48 ± 1.70 **	7 (3)

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F1 Pups

Phase	Days	Treatment Groups (ppm)							
		0		625		1250		2500	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.70 ± 0.11 **	88 (8)	3.44 ± 0.22	68 (6)	3.26 ± 0.26	78 (7)	3.06 ± 0.06	47 (5)
	4 - 7	4.38 ± 0.18 **	87 (8)	4.18 ± 0.28	68 (6)	3.98 ± 0.44	78 (7)	3.07 ± 0.16 *	47 (5)
	7 - 14	11.88 ± 0.42 **	86 (8)	12.15 ± 0.57	67 (6)	12.20 ± 0.51	75 (7)	9.71 ± 0.43 *	47 (5)
	14 - 21	18.90 ± 0.59 **	86 (8)	18.05 ± 0.47	67 (6)	16.31 ± 0.82 *	75 (7)	12.08 ± 0.67 **	47 (5)
	21 - 25	18.11 ± 0.73 **	86 (8)	17.13 ± 0.58	67 (6)	15.36 ± 1.00 *	75 (7)	13.44 ± 0.48 **	47 (5)
	25 - 28	12.99 ± 0.52 **	48 (5)	10.98 ± 0.84	58 (5)	11.86 ± 0.52	52 (5)	9.13 ± 0.00	11 (1)
	1 - 28	70.82 ± 1.91 **	48 (5)	66.88 ± 2.01	58 (5)	66.51 ± 1.61	52 (5)	49.21 ± 0.00 **	11 (1)

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F1 Pups

Phase	Days	Treatment Groups (ppm)	
		5000	
		WT Gain (g)	N
PND	1 - 4	1.92 ± 0.29 **	62 (6)
	4 - 7	1.53 ± 0.41 **	62 (6)
	7 - 14	6.10 ± 0.80 **	56 (6)
	14 - 21	8.12 ± 0.99 **	52 (6)
	21 - 25	7.02 ± 0.74 **	52 (6)
	25 - 28	7.39 ± 0.10 *	20 (3)
	1 - 28	33.40 ± 1.79 **	20 (3)

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LEGEND

N = the number of pups (number of litters)

PND - Postnatal Day, pups pre-weaning

PND4 weights are precull if litters are culled on postnatal day 4.

Data are displayed as the means and standard errors of the litter means.

Pup weights are adjusted for covariate litter size using total live on PND 1.

Statistical analysis was performed using mixed effects models with litter as a random effect, and a Dunnett-Hsu adjustment for multiple pairwise comparisons.

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 $P \leq 0.01$

PND 28 pup weights were inadvertently lost for numerous litters on study due to data collection errors, thus the decrease in N for that day

**** END OF REPORT ****