

Study Number: I10482B

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date:

Version:

R19G: Pup Mean Body Weight Gain

Test Compound: N-Butylbenzenesulfonamide

CAS Number: 3622-84-2

I10482B

Both

See web page for date of PWG Approval

v1.0.5

Date Report Requested: 09/17/2020

Time Report Requested: 13:29:41

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F1 Males

Treatment Groups (ppm)

Phase	Days	0		250		500		1000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.25 ± 0.09	197 (30)	3.53 ± 0.10	180 (29)	3.30 ± 0.09	185 (30)	3.21 ± 0.08	172 (29)
	4 - 7	6.04 ± 0.12	119 (30)	6.12 ± 0.12	119 (29)	5.82 ± 0.13	121 (30)	6.15 ± 0.11	112 (29)
	7 - 14	17.51 ± 0.30	119 (30)	17.81 ± 0.22	118 (29)	16.94 ± 0.30	121 (30)	17.57 ± 0.26	112 (29)
	14 - 21	21.36 ± 0.45	119 (30)	21.91 ± 0.44	117 (29)	22.07 ± 0.44	121 (30)	20.75 ± 0.52	112 (29)
	21 - 28	39.08 ± 0.53 **	119 (30)	38.00 ± 0.57	118 (29)	37.20 ± 0.55 *	121 (30)	36.10 ± 0.53 **	112 (29)
	4 - 28	84.00 ± 0.80 **	119 (30)	83.84 ± 0.72	118 (29)	82.04 ± 0.87	121 (30)	80.57 ± 0.67 **	112 (29)

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F1 Females

Treatment Groups (ppm)

Phase	Days	0		250		500		1000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	2.94 ± 0.10	199 (30)	3.28 ± 0.10 *	182 (29)	3.05 ± 0.09	188 (30)	3.00 ± 0.07	181 (29)
	4 - 7	5.69 ± 0.11	121 (30)	5.84 ± 0.15	113 (29)	5.60 ± 0.13	119 (30)	5.80 ± 0.11	117 (29)
	7 - 14	17.02 ± 0.27	120 (30)	17.10 ± 0.23	113 (29)	16.57 ± 0.29	119 (30)	16.91 ± 0.23	117 (29)
	14 - 21	19.47 ± 0.45	119 (30)	19.96 ± 0.47	113 (29)	20.33 ± 0.40	119 (30)	18.80 ± 0.46	117 (29)
	21 - 28	33.11 ± 0.46 **	119 (30)	31.87 ± 0.47	113 (29)	31.76 ± 0.42	118 (30)	30.62 ± 0.51 **	117 (29)
	4 - 28	75.40 ± 0.72 **	119 (30)	74.77 ± 0.76	113 (29)	74.30 ± 0.76	118 (30)	72.13 ± 0.66 **	117 (29)

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F1 Pups

Treatment Groups (ppm)

Phase	Days	0		250		500		1000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.09 ± 0.09	396 (30)	3.41 ± 0.10 *	362 (29)	3.18 ± 0.08	373 (30)	3.10 ± 0.07	353 (29)
	4 - 7	5.85 ± 0.11	240 (30)	5.99 ± 0.13	232 (29)	5.72 ± 0.12	240 (30)	5.96 ± 0.10	229 (29)
	7 - 14	17.25 ± 0.28	239 (30)	17.47 ± 0.22	231 (29)	16.76 ± 0.29	240 (30)	17.24 ± 0.24	229 (29)
	14 - 21	20.41 ± 0.44	238 (30)	20.95 ± 0.46	230 (29)	21.22 ± 0.40	240 (30)	19.75 ± 0.48	229 (29)
	21 - 28	36.08 ± 0.48 **	238 (30)	35.02 ± 0.49	231 (29)	34.52 ± 0.48	239 (30)	33.27 ± 0.50 **	229 (29)
	4 - 28	79.67 ± 0.72 **	238 (30)	79.43 ± 0.71	231 (29)	78.24 ± 0.74	239 (30)	76.23 ± 0.65 **	229 (29)

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LEGEND

N = the number of pups (number of litters)

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.

PND - Postnatal Day, pups pre-weaning

Pup weights are adjusted for covariate litter size for all postnatal days. Total live on PND 1 for day 1 to cull day, and number of live pups after culling for later weight days.
Unadjusted pup weights may also be reported for select postnatal days.

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 $P \leq 0.01$

Pup weights were excluded as outliers for one F1 250 ppm male pup on PND 14; and for one F1 1000 ppm male pup on PND 1, along with the weight gain intervals bounded by these excluded observations, for both the combined sex ("Pup") and separate sex analyses.

**** END OF REPORT ****