

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

R03: Summary of Litter Data
Test Compound: N-Butylbenzenesulfonamide
CAS Number: 3622-84-2

Date Report Requested: 01/06/2023
Time Report Requested: 06:43:40
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 Pups from F0 Females

Treatment Groups (ppm)

	0	625	1250	2500	5000
No. F0 Dams					
PND 0	9	6	7	5	6
Total No. Pups					
PND 0	101	71	86	50	67
Total Pups per Litter					
PND 0	11.2 ± 1.3 (9)	11.8 ± 0.8 (6)	12.3 ± 1.0 (7)	10.0 ± 1.5 (5)	11.2 ± 0.9 (6)
Total No. Live					
PND 0	96	68	78	48	62
Live per Litter					
PND 0	10.7 ± 1.2 (9)	11.3 ± 0.8 (6)	11.1 ± 0.9 (7)	9.6 ± 1.4 (5)	10.3 ± 1.0 (6)
PND 1	10.3 ± 1.3 (9)	11.3 ± 0.8 (6)	11.1 ± 0.9 (7)	9.4 ± 1.3 (5)	10.3 ± 1.0 (6)
PND 4	11.0 ± 1.3 (8)	11.3 ± 0.8 (6)	11.1 ± 0.9 (7)	9.4 ± 1.3 (5)	10.3 ± 1.0 (6)
PND 7	10.9 ± 1.3 (8)	11.3 ± 0.8 (6)	11.1 ± 0.9 (7)	9.4 ± 1.3 (5)	10.3 ± 1.0 (6)
PND 14	10.8 ± 1.3 (8) *	11.2 ± 0.8 (6)	10.7 ± 0.8 (7)	9.4 ± 1.3 (5)	9.2 ± 1.1 (6)
PND 21	10.8 ± 1.3 (8) *	11.2 ± 0.8 (6)	10.7 ± 0.8 (7)	9.4 ± 1.3 (5)	8.7 ± 1.3 (6)
PND 25	10.8 ± 1.3 (8) *	11.2 ± 0.8 (6)	10.7 ± 0.8 (7)	9.4 ± 1.3 (5)	8.7 ± 1.3 (6)
PND 27	10.8 ± 1.3 (8) *	11.2 ± 0.8 (6)	10.7 ± 0.8 (7)	9.4 ± 1.3 (5)	8.5 ± 1.3 (6)
Dead per Litter					
PND 0	0.56 ± 0.38 (9)	0.50 ± 0.22 (6)	1.14 ± 0.51 (7)	0.40 ± 0.24 (5)	0.83 ± 0.40 (6)
PND 1 - 4	0.89 ± 0.89 (9)	0.00 ± 0.00 (6)	0.00 ± 0.00 (7)	0.20 ± 0.20 (5)	0.00 ± 0.00 (6)
PND 5 - 27	0.25 ± 0.25 (8)	0.17 ± 0.17 (6)	0.43 ± 0.43 (7)	0.00 ± 0.00 (5)	1.83 ± 0.79 (6)
PND 1 - 27	1.11 ± 0.89 (9)	0.17 ± 0.17 (6)	0.43 ± 0.43 (7)	0.20 ± 0.20 (5)	1.83 ± 0.79 (6)
Number of Dead					
PND 0	5 (2)	3 (3)	8 (5)	2 (2)	5 (3)
PND 1 - 4	8 (1)	0 (0)	0 (0)	1 (1)	0 (0)
PND 5 - 27	2 (1)	1 (1)	3 (1)	0 (0)	11 (4)
PND 1 - 27	10 (2)	1 (1)	3 (1)	1 (1)	11 (4)

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Treatment Groups (ppm)

	0	625	1250	2500	5000
% Live Male Pups per Litter					
PND 0	44.47 ± 5.67 (9)	51.21 ± 4.77 (6)	49.27 ± 5.59 (7)	47.77 ± 6.97 (5)	58.33 ± 5.82 (6)
Survival Ratio					
PND 0	0.96 ± 0.03 (9)	0.96 ± 0.02 (6)	0.91 ± 0.04 (7)	0.97 ± 0.02 (5)	0.93 ± 0.04 (6)
PND 1 - 4	0.89 ± 0.11 (9)	1.00 ± 0.00 (6)	1.00 ± 0.00 (7)	0.98 ± 0.02 (5)	1.00 ± 0.00 (6)
PND 5 - 27	0.98 ± 0.02 (8)	0.98 ± 0.02 (6)	0.97 ± 0.03 (7)	1.00 ± 0.00 (5)	0.81 ± 0.08 (6) *
PND 1 - 27	0.87 ± 0.11 (9)	0.98 ± 0.02 (6)	0.97 ± 0.03 (7)	0.98 ± 0.02 (5)	0.81 ± 0.08 (6)

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LEGEND

Total No. of Pups and Total Pups per Litter is inclusive of nonviable pups.

Data are displayed as the means and standard errors of the litter means, N is number of litters

F1 Total Pups per Litter, Live per Litter, Dead per Litter, % Live Male Pups per Litter, and Survival Ratio endpoints were analyzed using Jonckheere's test for trend and Shirley's or Dunn's methods for pairwise comparison of controls to dose groups.

For Number of Dead, N is displayed as the number of pups (number of litters contributing dead pups).

All calculations are based on the last litter observation of the day

Survival ratio on PND 0 is live pup count at the last PND 0 litter observation relative to the total number of pups upon completion of parturition.

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 ****