

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

R02: Reproductive Performance Summary
Test Compound: N-Butylbenzenesulfonamide
CAS Number: 3622-84-2

Date Report Requested: 01/06/2023
Time Report Requested: 08:33:50
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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F0 Female

Treatment Groups (ppm)

	0	625	1250	2500	5000	10000
No. Females Mated	14	14	8	8	14	8
No. Females Pregnant	12	11	7	5	9	7
No. Females Littering	9	6	7	5	6	
Percent of Pregnant Females/Mated	85.7	78.6	87.5	62.5	64.3	87.5
Percent of Littered Females/Mated	81.8	54.5	87.5	62.5	54.5	NA
Percent of Littered Females/Pregnant	100.0	75.0	100.0	100.0	100.0	NA
Gestational Length	22.6 ± 0.2 (9)	22.3 ± 0.2 (6)	22.4 ± 0.2 (7)	22.0 ± 0.0 (5)	22.3 ± 0.2 (6)	(0)

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LEGEND

F0 time mated females were vendor provided so endpoints involving number of females paired, and pre-coital interval were not calculated. Pregnancy was defined as evidence of implantation or littering. Vendor's time of confirmation of mating was utilized for calculation of F0 gestational length.

When reported, pre-coital interval in days is calculated for sperm positive females.

Gestation length in days calculated for sperm positive females that delivered a litter.

Animals that died or were removed from study between mating and littering were excluded from the littered/mated and littered/pregnant endpoints.

Percent of Littered Females / Mated = $100 \times (\text{No. Females Littered} / (\text{No. Females Mated} - \text{No. Pregnant Females Removed Prior to Littering}))$

Percent of Littered Females / Pregnant = $100 \times (\text{No. Females Littered} / (\text{No. Females Pregnant} - \text{No. Pregnant Females Removed Prior to Littering}))$

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests for the Percent of Mated Females/Paired; Percent of Littered Females/Paired; Percent of Pregnant Females/Mated; Percent of Littered Females/Mated; Percent of Littered Females/Pregnant endpoints if present.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests for the Pre-coital Interval and Gestational Length endpoints if present.

All animals in the 10000 ppm dose group were euthanized during gestation due to excessive toxicity, however, pregnancy status was determined for each one.

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 $P \leq 0.01$

NA - Not Available

**** END OF REPORT ****