| | |
|---|---|
| **Study Number:** | C11054B-01 |
| **Study Sex:** | Both |
| **PWG Approval Date:** | See web page for date of PWG Approval |
| **Version:** | v1.2.7 |
| **Stat Version:** | S |

**Study Number:** C11054B-01
**Test Type:** TOX
**Route:** Dosing in Water
**Species/Strain:** Rat/Harlan Sprague Dawley

**R02: Reproductive Performance Summary (Interim and Chronic Animals)**
**Test Compound:** Sulfolane
**CAS Number:** 126-33-0

**Date Report Requested:** 07/15/2021
**Time Report Requested:** 14:58:51
**Lab:** Battelle with CRL

**F0 Female**

| | Treatment Groups (mg/L) | | | | |
|---|---|---|---|---|---|
| | **0** | **30** | **100** | **300** | **1000** |
| No. Females Mated | 53 | 43 | 43 | 43 | 43 |
| No. Females Pregnant | 41 | 33 | 35 | 37 | 38 |
| No. Pregnant Females Removed Prior to Littering | 0 | 0 | 0 | 1 | 0 |
| No. Females Littering | 38 | 31 | 33 | 35 | 34 |
| Percent of Pregnant Females/Mated | 77.4 | 76.7 | 81.4 | 86.0 | 88.4 |
| Percent of Littered Females/Mated | 71.7 | 72.1 | 76.7 | 83.3 | 79.1 |
| Percent of Littered Females/Pregnant | 92.7 | 93.9 | 94.3 | 97.2 | 89.5 |
| Gestational Length | 22.2 ± 0.1 (38) | 22.3 ± 0.1 (31) | 22.2 ± 0.1 (33) | 22.1 ± 0.1 (35) | 22.1 ± 0.1 (34) |

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.

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

Percent of Littered Females / Mated = 100*(No. Females Littered / (No. Females Mated - No. Pregnant Females Removed Prior to Littering))

Percent of Littered Females / Pregnant = 100*(No. Females Littered / (No. Females Pregnant - No. Pregnant Females Removed Prior to Littering))

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests for 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.

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

** END OF REPORT **