

Study Number: MOG06065
Test Type: MOG - Range Finding
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

R03: Summary of Litter Data
Test Compound: 2,2'-Dimorpholinodiethyl Ether
CAS Number: 6425-39-4

Date Report Requested: 11/10/2025
Time Report Requested: 11:01:28
Lab: Southern Research

Study Number: MOG06065
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.7.2-6-ge85fa364
Stat Version: 2022.10.14S

Study Number: MOG06065

Test Type: MOG - Range Finding

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

R03: Summary of Litter Data

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 11/10/2025

Time Report Requested: 11:01:28

Lab: Southern Research

F1 Pups from F0 Females

Treatment Groups (mg/kg/day)

	0	31.25	62.5	125	250
No. F0 Dams					
PND 0	13	10	12	10	13
Total No. Pups					
PND 0	174	138	165	150	176
Total Pups per Litter					
PND 0	13.4 ± 0.6 (13)	13.8 ± 0.4 (10)	13.8 ± 0.7 (12)	15.0 ± 0.7 (10)	13.5 ± 0.6 (13)
Total No. Live					
PND 0	171	137	164	149	170
Live per Litter					
PND 0	13.2 ± 0.6 (13)	13.7 ± 0.3 (10)	13.7 ± 0.7 (12)	14.9 ± 0.7 (10)	13.1 ± 0.7 (13)
PND 1	13.1 ± 0.6 (13)	13.0 ± 0.5 (10)	13.2 ± 0.7 (12)	14.6 ± 0.6 (10)	12.7 ± 0.8 (13)
PND 4	13.1 ± 0.6 (13)	13.0 ± 0.5 (10)	13.2 ± 0.7 (12)	14.6 ± 0.6 (10)	12.7 ± 0.8 (12)
PND 7	12.8 ± 0.8 (10)	12.9 ± 0.6 (10)	12.8 ± 0.8 (9)	14.5 ± 0.7 (10)	12.1 ± 1.0 (9)
PND 12	12.7 ± 0.8 (10)	12.7 ± 0.7 (10)	12.8 ± 0.8 (9)	14.4 ± 0.7 (10)	12.0 ± 1.0 (9)
PND 14	12.6 ± 0.8 (10)	12.7 ± 0.7 (10)	12.8 ± 0.8 (9)	14.4 ± 0.7 (10)	12.0 ± 1.0 (9)
PND 21	12.6 ± 0.8 (10)	12.7 ± 0.7 (10)	12.8 ± 0.8 (9)	14.3 ± 0.8 (10)	11.9 ± 1.1 (8)
PND 28	12.4 ± 0.8 (9)	12.7 ± 0.7 (10)	12.8 ± 0.8 (9)	14.3 ± 0.8 (10)	11.9 ± 1.1 (8)
Dead per Litter					
PND 0	0.23 ± 0.12 (13)	0.10 ± 0.10 (10)	0.08 ± 0.08 (12)	0.10 ± 0.10 (10)	0.46 ± 0.31 (13)
PND 1 - 4	0.08 ± 0.08 (13) *	0.70 ± 0.52 (10)	0.50 ± 0.50 (12)	0.30 ± 0.21 (10)	1.38 ± 0.83 (13)
PND 5 - 12	0.10 ± 0.10 (10)	0.30 ± 0.21 (10)	0.00 ± 0.00 (9)	0.20 ± 0.13 (10)	0.22 ± 0.22 (9)
PND 13 - 28	1.50 ± 1.39 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (9)	0.10 ± 0.10 (10)	1.44 ± 1.44 (9)
PND 5 - 28	1.60 ± 1.38 (10)	0.30 ± 0.21 (10)	0.00 ± 0.00 (9)	0.30 ± 0.21 (10)	1.67 ± 1.43 (9)
PND 1 - 28	1.70 ± 1.38 (10)	1.00 ± 0.70 (10)	0.67 ± 0.67 (9)	0.60 ± 0.27 (10)	3.20 ± 1.59 (10)
Number of Dead					
PND 0	3 (3)	1 (1)	1 (1)	1 (1)	6 (3)
PND 1 - 4	1 (1)	7 (2)	6 (1)	3 (2)	18 (6)

Study Number: MOG06065

Test Type: MOG - Range Finding

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

R03: Summary of Litter Data

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 11/10/2025

Time Report Requested: 11:01:28

Lab: Southern Research

F1 Pups from F0 Females

Treatment Groups (mg/kg/day)

	0	31.25	62.5	125	250
PND 5 - 12	1 (1)	3 (2)	0 (0)	2 (2)	2 (1)
PND 13 - 28	15 (2)	0 (0)	0 (0)	1 (1)	13 (1)
PND 5 - 28	16 (3)	3 (2)	0 (0)	3 (2)	15 (2)
PND 1 - 28	17 (3)	10 (3)	6 (1)	6 (4)	32 (6)
% Live Male Pups per Litter					
PND 0	51.51 ± 3.56 (13)	46.25 ± 3.85 (10)	47.46 ± 4.72 (12)	55.35 ± 4.01 (10)	47.22 ± 4.45 (13)
Survival Ratio					
PND 0	0.98 ± 0.01 (13)	0.99 ± 0.01 (10)	0.99 ± 0.01 (12)	0.99 ± 0.01 (10)	0.96 ± 0.03 (13)
PND 1 - 4	0.99 ± 0.01 (13) *	0.95 ± 0.04 (10)	0.97 ± 0.03 (12)	0.98 ± 0.01 (10)	0.88 ± 0.08 (13)
PND 5 - 12	0.99 ± 0.01 (10)	0.97 ± 0.02 (10)	1.00 ± 0.00 (9)	0.98 ± 0.01 (10)	0.98 ± 0.02 (9)
PND 13 - 28	0.89 ± 0.10 (10)	1.00 ± 0.00 (10)	1.00 ± 0.00 (9)	0.99 ± 0.01 (10)	0.89 ± 0.11 (9)
PND 5 - 28	0.89 ± 0.10 (10)	0.97 ± 0.02 (10)	1.00 ± 0.00 (9)	0.97 ± 0.02 (10)	0.87 ± 0.11 (9)
PND 1 - 28	0.88 ± 0.10 (10)	0.93 ± 0.05 (10)	0.96 ± 0.04 (9)	0.96 ± 0.02 (10)	0.74 ± 0.13 (10)

Study Number: MOG06065

Test Type: MOG - Range Finding

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

R03: Summary of Litter Data

Test Compound: 2,2'-Dimorpholinodiethyl Ether

CAS Number: 6425-39-4

Date Report Requested: 11/10/2025

Time Report Requested: 11:01:28

Lab: Southern Research

LEGEND

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

For the endpoints of Total Pups per Litter, Live per Litter, Dead per Litter, % Live Male Pups per Litter, and Survival Ratio for the F1 pups, data are displayed as the mean of litter values \pm SEM of litter values (number of litters produced by F0 dams).

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.

Litters removed before the last interval day were not included in the Survival Ratio, Number Dead or Total Dead calculations.

No trend or pairwise tests were conducted on the Total Number of Pups, Total Number of Live, or Number of Dead endpoints.

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 = Postnatal Day

SEM = Standard Error of the Mean

**** END OF REPORT ****