

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

**I04: Mean Body Weight Summary**  
**Test Compound:** 2,2'-Dimorpholinodiethyl Ether  
**CAS Number:** 6425-39-4

**Date Report Requested:** 03/21/2025  
**Time Report Requested:** 13:14:16  
**Lab:** Southern Research

**Study Number:** MOG06065  
**Study Sex:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.7.2  
**Stat Version:** 2022.10.13S

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F0 Females

Treatment Groups (mg/kg/day)

Phase Day	0			31.25			62.5			125		
	Wt (g)	N		Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD3	228.2 ± 2.7	16		224.9 ± 1.9	98.6	10	227.2 ± 3.1	99.6	16	227.0 ± 2.6	99.5	10
GD6	244.7 ± 2.8	16		242.0 ± 3.2	98.9	9	240.4 ± 3.1	98.2	16	243.6 ± 3.1	99.6	10
GD7	249.0 ± 2.9 **	16		244.3 ± 3.5	98.1	9	243.6 ± 3.4	97.8	16	245.2 ± 3.5	98.5	10
GD8	252.4 ± 2.8 **	16		245.0 ± 4.4	97.0	10	245.7 ± 2.9	97.3	16	248.8 ± 2.8	98.6	10
GD9	256.3 ± 2.9 **	16		250.7 ± 4.4	97.8	10	251.8 ± 3.5	98.2	16	253.1 ± 3.2	98.7	10
GD10	262.3 ± 2.8 **	16		255.7 ± 4.5	97.5	10	255.2 ± 3.4	97.3	16	259.0 ± 3.3	98.7	10
GD11	268.4 ± 3.0 **	16		260.4 ± 4.5	97.0	10	260.6 ± 3.5	97.1	16	261.6 ± 3.4	97.5	10
GD12	271.5 ± 3.3 **	16		264.2 ± 4.2	97.3	10	263.0 ± 3.3	96.9	16	268.2 ± 3.7	98.8	10
GD13	275.9 ± 3.3 **	16		269.9 ± 4.6	97.8	10	270.1 ± 3.8	97.9	16	272.2 ± 3.7	98.7	10
GD14	283.2 ± 3.3 **	16		275.6 ± 4.9	97.3	10	274.5 ± 3.1	96.9	16	280.3 ± 4.4	99.0	10
GD15	293.3 ± 3.5 *	16		287.1 ± 4.7	97.9	10	282.5 ± 3.5	96.3	16	292.2 ± 4.2	99.6	10
GD16	308.0 ± 3.6 *	16		301.9 ± 4.8	98.0	10	294.9 ± 4.3	95.8	16	303.8 ± 4.9	98.6	10
GD17	321.2 ± 4.1 *	16		314.3 ± 5.0	97.9	10	307.3 ± 5.0	95.7	16	321.6 ± 4.3	100.1	10
GD18	339.4 ± 4.1 *	16		333.3 ± 5.8	98.2	10	324.5 ± 5.8	95.6	16	337.3 ± 4.4	99.4	10
GD19	348.5 ± 5.2	13		344.0 ± 6.0	98.7	10	333.8 ± 7.2	95.8	13	353.0 ± 5.2	101.3	10
GD20	367.4 ± 5.6	13		362.3 ± 6.5	98.6	10	348.5 ± 8.7	94.8	13	373.1 ± 5.7	101.5	10
GD21	384.3 ± 6.7	13		382.4 ± 6.2	99.5	10	363.4 ± 9.6	94.6	13	395.2 ± 6.0	102.8	10
LD1	276.5 ± 4.2	13		271.5 ± 5.6	98.2	10	266.6 ± 5.9	96.4	12	278.6 ± 4.3	100.8	10
LD4	287.6 ± 4.9 *	13		287.2 ± 5.4	99.9	10	281.7 ± 4.5	97.9	12	288.0 ± 4.2	100.1	10
LD7	302.9 ± 5.0	10		304.8 ± 6.1	100.6	10	286.2 ± 6.1	94.5	9	307.3 ± 3.1	101.4	10
LD12	313.8 ± 3.6	10		309.5 ± 4.2	98.6	10	301.2 ± 2.2	96.0	9	314.6 ± 5.1	100.2	10
LD14	314.4 ± 3.3 **	10		303.8 ± 3.9	96.6	10	296.5 ± 2.2	94.3	9	309.3 ± 6.7	98.4	10
LD21	296.0 ± 2.9	10		288.3 ± 4.3	97.4	10	279.9 ± 4.3 *	94.6	9	292.4 ± 4.7	98.8	10
LD24	279.7 ± 4.1	10		272.0 ± 4.2	97.2	10	264.8 ± 2.7 *	94.7	9	278.0 ± 4.5	99.4	10
LD28	271.1 ± 4.9	9		275.5 ± 4.3	101.6	10	269.9 ± 3.0	99.5	9	276.9 ± 4.4	102.1	10

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F0 Females

Phase Day	Treatment Groups (mg/kg/day)					
	250			500		
	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD3	225.1 ± 2.5	98.6	16	227.3 ± 2.1	99.6	10
GD6	242.1 ± 2.6	99.0	16	245.2 ± 2.4	100.2	10
GD7	238.0 ± 2.8 **	95.6	16	235.9 ± 2.5 **	94.7	10
GD8	242.2 ± 2.9 *	95.9	16	237.5 ± 3.2 **	94.1	10
GD9	247.3 ± 2.9	96.5	16	237.0 ± 4.0 **	92.4	10
GD10	250.6 ± 2.6 *	95.5	16	230.0 ± 4.7 **	87.7	10
GD11	257.1 ± 3.1 *	95.8	16	223.2 ± 6.1 **	83.2	10
GD12	259.9 ± 3.0 *	95.7	16	213.3 ± 5.7 **	78.6	10
GD13	265.4 ± 3.5	96.2	16	208.7 ± 6.7 **	75.6	8
GD14	270.2 ± 3.1 **	95.4	16	210.8 ± 7.3 **	74.4	3
GD15	278.3 ± 3.0 **	94.9	16	NA		
GD16	293.1 ± 3.0 *	95.2	16	NA		
GD17	305.9 ± 3.6 *	95.2	16	NA		
GD18	322.5 ± 3.9 *	95.0	16	NA		
GD19	335.7 ± 4.8	96.3	13	NA		
GD20	349.6 ± 5.1	95.2	13	NA		
GD21	365.8 ± 6.2	95.2	13	NA		
LD1	260.8 ± 4.5	94.3	13	NA		
LD4	266.9 ± 5.9 *	92.8	13	NA		
LD7	286.6 ± 4.4	94.6	9	NA		
LD12	301.1 ± 4.8	96.0	9	NA		
LD14	294.7 ± 3.9 **	93.7	9	NA		
LD21	288.7 ± 2.8	97.5	8	NA		
LD24	278.0 ± 3.2	99.4	8	NA		
LD28	274.1 ± 3.1	101.1	8	NA		

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LEGEND

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Data are displayed as mean  $\pm$  SEM (N) unless otherwise noted.

GD - Gestation Day; LD - Lactation Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

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  $p \leq 0.01$

One F0 GD 6 and one GD 7 body weight from the 31.25 mg/kg/day dose group were excluded as outliers, along with the weight gain intervals bounded by these excluded weight values.

NA - Not Available

**\*\* END OF REPORT \*\***