

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

R19G: Pup Mean Body Weight Gain
Test Compound: 2,2'-Dimorpholinodiethyl Ether
CAS Number: 6425-39-4

Date Report Requested: 03/25/2025
Time Report Requested: 11:07:50
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: 2022.10.17S

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F1 Males

Treatment Groups (mg/kg/day)

Phase	Days	0		31.25		62.5		125	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.43 ± 0.10 **	87 (13)	3.54 ± 0.13	60 (10)	3.53 ± 0.10	75 (12)	3.25 ± 0.08	80 (10)
	4 - 7	4.29 ± 0.23	61 (10)	4.71 ± 0.18	59 (10)	4.73 ± 0.15	55 (9)	4.50 ± 0.24	80 (10)
	7 - 12	9.29 ± 0.24	60 (10)	10.00 ± 0.20	57 (10)	8.85 ± 0.32	55 (9)	8.67 ± 0.87	79 (10)
	12 - 14	3.48 ± 0.16 *	60 (10)	3.70 ± 0.16	57 (10)	3.62 ± 0.11	55 (9)	3.47 ± 0.22	79 (10)
	14 - 21	20.87 ± 0.51 **	60 (10)	21.30 ± 0.37	57 (10)	20.20 ± 0.38	55 (9)	19.43 ± 1.00	78 (10)
	21 - 24	13.12 ± 0.28	60 (10)	13.21 ± 0.21	57 (10)	13.52 ± 0.33	55 (9)	13.57 ± 0.31	78 (10)
	24 - 28	21.09 ± 0.68	53 (9)	21.44 ± 0.40	57 (10)	22.01 ± 0.49	55 (9)	21.73 ± 0.53	78 (10)
	4 - 28	72.33 ± 1.41	53 (9)	74.48 ± 0.81	57 (10)	72.91 ± 1.13	55 (9)	71.57 ± 2.80	78 (10)
	1 - 28	75.78 ± 1.39	53 (9)	78.01 ± 0.85	57 (10)	76.48 ± 1.16	55 (9)	74.88 ± 2.78	78 (10)

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F1 Males

Phase	Days	Treatment Groups	
		250	
		WT Gain (g)	N
PND	1 - 4	2.82 ± 0.40	76 (13)
	4 - 7	4.60 ± 0.17	50 (9)
	7 - 12	10.01 ± 0.20	49 (9)
	12 - 14	2.92 ± 0.27	49 (9)
	14 - 21	18.12 ± 0.84 *	44 (8)
	21 - 24	13.53 ± 0.38	44 (8)
	24 - 28	20.05 ± 0.70	44 (8)
	4 - 28	69.23 ± 1.90	44 (8)
	1 - 28	72.37 ± 2.06	44 (8)

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F1 Females

Treatment Groups (mg/kg/day)

Phase	Days	0		31.25		62.5		125	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.21 ± 0.09 *	83 (13)	3.29 ± 0.16	70 (10)	3.11 ± 0.11	83 (12)	2.78 ± 0.13	66 (10)
	4 - 7	4.16 ± 0.19	67 (10)	4.69 ± 0.11	70 (10)	4.17 ± 0.22	60 (9)	4.21 ± 0.23	65 (10)
	7 - 12	8.67 ± 0.24	67 (10)	9.39 ± 0.20	70 (10)	8.62 ± 0.20	60 (9)	8.24 ± 0.78	65 (10)
	12 - 14	3.42 ± 0.13 **	66 (10)	3.45 ± 0.14	70 (10)	3.43 ± 0.12	60 (9)	3.16 ± 0.34	65 (10)
	14 - 21	19.33 ± 0.51	66 (10)	20.38 ± 0.36	70 (10)	18.76 ± 0.27	60 (9)	16.93 ± 1.49	65 (10)
	21 - 24	11.77 ± 0.26	66 (10)	11.85 ± 0.28	70 (10)	11.69 ± 0.34	60 (9)	11.51 ± 0.31	65 (10)
	24 - 28	18.13 ± 0.52	59 (9)	18.66 ± 0.22	70 (10)	18.50 ± 0.50	60 (9)	18.00 ± 0.53	65 (10)
	4 - 28	65.76 ± 1.11	59 (9)	68.48 ± 0.79	70 (10)	65.24 ± 0.95	60 (9)	62.06 ± 3.40	65 (10)
	1 - 28	69.04 ± 1.08	59 (9)	71.79 ± 0.86	70 (10)	68.48 ± 0.99	60 (9)	64.91 ± 3.43	65 (10)

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F1 Females

Phase	Days	Treatment Groups	
		250	
		WT Gain (g)	N
PND	1 - 4	2.70 ± 0.40	86 (13)
	4 - 7	4.64 ± 0.21	59 (9)
	7 - 12	9.21 ± 0.11	59 (9)
	12 - 14	2.76 ± 0.24	59 (9)
	14 - 21	18.50 ± 0.62	51 (8)
	21 - 24	11.79 ± 0.24	51 (8)
	24 - 28	17.46 ± 0.48	51 (8)
	4 - 28	64.50 ± 1.12	51 (8)
	1 - 28	67.76 ± 1.16	51 (8)

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F1 Pups

Treatment Groups (mg/kg/day)

Phase	Days	0		31.25		62.5		125	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.34 ± 0.08 *	170 (13)	3.41 ± 0.14	130 (10)	3.31 ± 0.09	158 (12)	3.05 ± 0.09	146 (10)
	4 - 7	4.23 ± 0.21	128 (10)	4.71 ± 0.11	129 (10)	4.45 ± 0.14	115 (9)	4.36 ± 0.22	145 (10)
	7 - 12	9.04 ± 0.21	127 (10)	9.66 ± 0.21	127 (10)	8.76 ± 0.26	115 (9)	8.43 ± 0.82	144 (10)
	12 - 14	3.43 ± 0.13 **	126 (10)	3.57 ± 0.15	127 (10)	3.51 ± 0.12	115 (9)	3.35 ± 0.27	144 (10)
	14 - 21	20.05 ± 0.49 *	126 (10)	20.78 ± 0.38	127 (10)	19.46 ± 0.27	115 (9)	18.23 ± 1.19	143 (10)
	21 - 24	12.42 ± 0.25	126 (10)	12.48 ± 0.24	127 (10)	12.55 ± 0.25	115 (9)	12.66 ± 0.29	143 (10)
	24 - 28	19.47 ± 0.56	112 (9)	19.92 ± 0.24	127 (10)	20.19 ± 0.52	115 (9)	20.02 ± 0.50	143 (10)
	4 - 28	68.85 ± 1.17	112 (9)	71.21 ± 0.90	127 (10)	68.95 ± 0.86	115 (9)	67.16 ± 3.02	143 (10)
	1 - 28	72.22 ± 1.16	112 (9)	74.63 ± 0.96	127 (10)	72.34 ± 0.89	115 (9)	70.27 ± 3.02	143 (10)

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Phase	Days	Treatment Groups	
		250	
		WT Gain (g)	N
PND	1 - 4	2.78 ± 0.39	162 (13)
	4 - 7	4.63 ± 0.18	109 (9)
	7 - 12	9.55 ± 0.17	108 (9)
	12 - 14	2.85 ± 0.25	108 (9)
	14 - 21	18.43 ± 0.66	95 (8)
	21 - 24	12.54 ± 0.26	95 (8)
	24 - 28	18.69 ± 0.63	95 (8)
	4 - 28	66.78 ± 1.55	95 (8)
	1 - 28	70.03 ± 1.63	95 (8)

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LEGEND

N = the number of pups (number of litters)

PND = Postnatal Day, pups pre-weaning.

Data are displayed as the means and standard errors of the litter means.

Pup weights are adjusted for covariate litter size using total live on PND 1.

Statistical analysis was performed using mixed effects models with litter as a random effect, and a Dunnett-Hsu adjustment for multiple pairwise comparisons.

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 ****