

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

R19: Pup Mean Body Weight Summary
Test Compound: 2,2'-Dimorpholinodiethyl Ether
CAS Number: 6425-39-4

Date Report Requested: 03/25/2025
Time Report Requested: 11:19:21
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 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
PND1	7.20 ± 0.12	87 (13)	7.46 ± 0.06	103.73	60 (10)	7.26 ± 0.17	100.94	75 (12)	7.39 ± 0.09	102.63	80 (10)
PND4	10.63 ± 0.14	87 (13)	11.00 ± 0.11	103.49	60 (10)	10.79 ± 0.21	101.54	75 (12)	10.63 ± 0.14	100.01	80 (10)
PND7	14.92 ± 0.34	61 (10)	15.75 ± 0.26	105.62	59 (10)	15.70 ± 0.30	105.24	55 (9)	15.17 ± 0.29	101.70	80 (10)
PND12	24.23 ± 0.46	60 (10)	25.86 ± 0.33	106.75	57 (10)	24.52 ± 0.47	101.19	55 (9)	23.85 ± 1.04	98.44	79 (10)
PND13	26.09 ± 0.44	60 (10)	27.59 ± 0.36	105.76	57 (10)	26.31 ± 0.51	100.85	55 (9)	25.67 ± 1.14	98.41	79 (10)
PND14	27.71 ± 0.45	60 (10)	29.57 ± 0.44	106.70	57 (10)	28.14 ± 0.47	101.56	55 (9)	27.32 ± 1.23	98.61	79 (10)
PND15	29.70 ± 0.43	60 (10)	31.31 ± 0.47	105.41	57 (10)	29.91 ± 0.46	100.71	55 (9)	28.86 ± 1.36	97.16	79 (10)
PND16	31.19 ± 0.49	60 (10)	33.07 ± 0.49	106.02	57 (10)	31.38 ± 0.46	100.61	55 (9)	30.83 ± 1.20	98.85	78 (10)
PND17	33.13 ± 0.61	60 (10)	35.01 ± 0.58	105.69	57 (10)	33.21 ± 0.56	100.25	55 (9)	32.42 ± 1.29	97.85	78 (10)
PND18	35.75 ± 0.74 *	60 (10)	38.19 ± 0.64	106.81	57 (10)	36.15 ± 0.71	101.12	55 (9)	34.83 ± 1.51	97.41	78 (10)
PND19	39.69 ± 0.93 *	60 (10)	42.60 ± 0.73	107.32	57 (10)	40.23 ± 0.85	101.35	55 (9)	38.09 ± 1.91	95.97	78 (10)
PND20	44.02 ± 0.88 *	60 (10)	46.91 ± 0.68	106.56	57 (10)	44.29 ± 0.88	100.61	55 (9)	42.69 ± 2.12	96.99	78 (10)
PND21	48.54 ± 0.91 *	60 (10)	50.83 ± 0.71	104.72	57 (10)	48.31 ± 0.77	99.52	55 (9)	46.93 ± 2.09	96.69	78 (10)
PND22	52.66 ± 0.94	60 (10)	54.95 ± 0.70	104.35	57 (10)	52.89 ± 0.92	100.44	55 (9)	51.11 ± 2.19	97.06	78 (10)
PND23	57.17 ± 0.93	60 (10)	59.37 ± 0.76	103.86	57 (10)	57.30 ± 0.86	100.23	55 (9)	55.80 ± 2.22	97.60	78 (10)
PND24	61.66 ± 1.06	60 (10)	64.04 ± 0.86	103.86	57 (10)	61.82 ± 0.90	100.27	55 (9)	60.50 ± 2.32	98.12	78 (10)
PND25	66.31 ± 1.12	60 (10)	68.97 ± 0.82	104.01	57 (10)	66.64 ± 1.04	100.51	55 (9)	65.52 ± 2.49	98.81	78 (10)
PND26	71.49 ± 1.21	60 (10)	74.44 ± 0.83	104.13	57 (10)	72.00 ± 1.09	100.71	55 (9)	70.71 ± 2.60	98.91	78 (10)
PND27	77.10 ± 1.14	53 (9)	79.24 ± 0.98	102.78	57 (10)	77.71 ± 1.36	100.79	55 (9)	75.96 ± 2.75	98.52	78 (10)
PND28	82.97 ± 1.48	53 (9)	85.52 ± 0.85	103.07	57 (10)	83.87 ± 1.26	101.08	55 (9)	82.25 ± 2.77	99.13	78 (10)

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F1 Males

Treatment Groups (mg/kg/day)

Phase Day	250		
	WT (g)	% of CNTL	N
PND1	7.44 ± 0.17	103.32	79 (13)
PND4	10.27 ± 0.51	96.64	76 (13)
PND7	15.34 ± 0.50	102.86	50 (9)
PND12	25.35 ± 0.68	104.63	49 (9)
PND13	26.83 ± 0.63	102.87	49 (9)
PND14	28.27 ± 0.61	102.03	49 (9)
PND15	29.82 ± 0.60	100.40	49 (9)
PND16	31.19 ± 0.66	99.98	49 (9)
PND17	32.37 ± 0.83	97.72	49 (9)
PND18	33.99 ± 1.07	95.06	49 (9)
PND19	37.74 ± 1.17	95.08	44 (8)
PND20	41.66 ± 1.38	94.64	44 (8)
PND21	46.30 ± 1.41	95.38	44 (8)
PND22	50.48 ± 1.55	95.86	44 (8)
PND23	55.08 ± 1.62	96.34	44 (8)
PND24	59.83 ± 1.62	97.04	44 (8)
PND25	64.69 ± 1.88	97.56	44 (8)
PND26	69.58 ± 1.96	97.33	44 (8)
PND27	74.17 ± 2.09	96.21	44 (8)
PND28	79.93 ± 2.13	96.33	44 (8)

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F1 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
PND1	6.74 ± 0.12	83 (13)	7.05 ± 0.11	104.49	70 (10)	6.72 ± 0.16	99.68	83 (12)	6.95 ± 0.09	103.09	67 (10)
PND4	9.95 ± 0.16	83 (13)	10.34 ± 0.15	103.87	70 (10)	9.83 ± 0.21	98.79	83 (12)	9.73 ± 0.16	97.80	66 (10)
PND7	14.22 ± 0.29	67 (10)	15.08 ± 0.26	106.05	70 (10)	14.28 ± 0.31	100.42	60 (9)	13.99 ± 0.33	98.41	65 (10)
PND12	22.89 ± 0.29	67 (10)	24.47 ± 0.35	106.92	70 (10)	22.89 ± 0.39	100.03	60 (9)	22.23 ± 1.01	97.13	65 (10)
PND13	24.98 ± 0.35	66 (10)	26.11 ± 0.34	104.50	70 (10)	24.75 ± 0.43	99.04	60 (9)	23.81 ± 1.17	95.31	65 (10)
PND14	26.48 ± 0.34	66 (10)	27.95 ± 0.41	105.52	70 (10)	26.36 ± 0.39	99.52	60 (9)	25.37 ± 1.32	95.80	65 (10)
PND15	28.17 ± 0.33	66 (10)	29.55 ± 0.43	104.91	70 (10)	28.03 ± 0.39	99.50	60 (9)	26.82 ± 1.37	95.22	65 (10)
PND16	29.67 ± 0.43	66 (10)	31.31 ± 0.50	105.51	70 (10)	29.43 ± 0.43	99.18	60 (9)	28.04 ± 1.51	94.51	65 (10)
PND17	31.34 ± 0.54	66 (10)	33.22 ± 0.57	105.99	70 (10)	31.07 ± 0.51	99.13	60 (9)	29.51 ± 1.66	94.16	65 (10)
PND18	33.78 ± 0.71	66 (10)	36.30 ± 0.64	107.44	70 (10)	33.93 ± 0.58	100.43	60 (9)	31.89 ± 2.01	94.39	65 (10)
PND19	37.65 ± 0.81	66 (10)	40.63 ± 0.65	107.92	70 (10)	37.68 ± 0.68	100.08	60 (9)	34.87 ± 2.36	92.63	65 (10)
PND20	41.69 ± 0.72	66 (10)	44.65 ± 0.67	107.10	70 (10)	41.43 ± 0.61	99.38	60 (9)	38.87 ± 2.59	93.23	65 (10)
PND21	45.83 ± 0.78	66 (10)	48.34 ± 0.73	105.48	70 (10)	45.13 ± 0.59	98.49	60 (9)	42.31 ± 2.78	92.33	65 (10)
PND22	49.51 ± 0.78	66 (10)	52.11 ± 0.69	105.26	70 (10)	49.08 ± 0.71	99.13	60 (9)	45.85 ± 2.94	92.62	65 (10)
PND23	53.55 ± 0.76	66 (10)	56.12 ± 0.79	104.81	70 (10)	53.10 ± 0.68	99.17	60 (9)	49.88 ± 2.93	93.14	65 (10)
PND24	57.60 ± 0.83	66 (10)	60.19 ± 0.85	104.49	70 (10)	56.82 ± 0.79	98.65	60 (9)	53.82 ± 3.02	93.44	65 (10)
PND25	61.67 ± 0.91	66 (10)	64.46 ± 0.78	104.52	70 (10)	60.89 ± 0.92	98.73	60 (9)	58.12 ± 3.19	94.24	65 (10)
PND26	66.03 ± 0.92	66 (10)	69.02 ± 0.84	104.54	70 (10)	65.44 ± 0.94	99.10	60 (9)	62.49 ± 3.20	94.65	65 (10)
PND27	70.62 ± 0.82	59 (9)	73.36 ± 0.94	103.87	70 (10)	70.10 ± 1.08	99.26	60 (9)	66.74 ± 3.36	94.50	65 (10)
PND28	75.85 ± 1.14	59 (9)	78.88 ± 0.85	104.00	70 (10)	75.36 ± 1.11	99.35	60 (9)	71.84 ± 3.44	94.72	65 (10)

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F1 Females

Phase Day	Treatment Groups (mg/kg/day)		
	250		
	WT (g)	% of CNTL	N
PND1	6.96 ± 0.13	103.14	86 (13)
PND4	9.66 ± 0.48	97.04	86 (13)
PND7	14.96 ± 0.38	105.25	59 (9)
PND12	24.18 ± 0.43	105.63	59 (9)
PND13	25.68 ± 0.46	102.80	59 (9)
PND14	26.98 ± 0.48	101.86	59 (9)
PND15	28.41 ± 0.45	100.86	59 (9)
PND16	29.60 ± 0.52	99.76	59 (9)
PND17	30.93 ± 0.86	98.69	59 (9)
PND18	32.76 ± 1.32	96.97	59 (9)
PND19	37.44 ± 1.02	99.45	51 (8)
PND20	41.48 ± 1.03	99.52	51 (8)
PND21	45.63 ± 1.04	99.56	51 (8)
PND22	49.48 ± 1.09	99.94	51 (8)
PND23	53.59 ± 1.14	100.09	51 (8)
PND24	57.41 ± 1.18	99.67	51 (8)
PND25	61.73 ± 1.21	100.09	51 (8)
PND26	65.81 ± 1.20	99.68	51 (8)
PND27	70.36 ± 1.19	99.62	51 (8)
PND28	74.90 ± 1.17	98.76	51 (8)

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F1 Pups

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
PND1	6.98 ± 0.11	170 (13)	7.25 ± 0.08	103.83	130 (10)	6.98 ± 0.16	100.05	158 (12)	7.19 ± 0.08	103.00	147 (10)
PND4	10.32 ± 0.13	170 (13)	10.66 ± 0.13	103.30	130 (10)	10.30 ± 0.20	99.79	158 (12)	10.24 ± 0.13	99.26	146 (10)
PND7	14.57 ± 0.31	128 (10)	15.41 ± 0.23	105.79	129 (10)	14.97 ± 0.21	102.74	115 (9)	14.65 ± 0.28	100.54	145 (10)
PND12	23.61 ± 0.36	127 (10)	25.12 ± 0.34	106.38	127 (10)	23.71 ± 0.38	100.41	115 (9)	23.08 ± 1.00	97.75	144 (10)
PND13	25.56 ± 0.36	126 (10)	26.81 ± 0.36	104.89	127 (10)	25.52 ± 0.41	99.86	115 (9)	24.80 ± 1.12	97.04	144 (10)
PND14	27.12 ± 0.35	126 (10)	28.70 ± 0.44	105.85	127 (10)	27.24 ± 0.37	100.45	115 (9)	26.42 ± 1.24	97.44	144 (10)
PND15	28.97 ± 0.33	126 (10)	30.37 ± 0.48	104.85	127 (10)	28.96 ± 0.38	99.98	115 (9)	27.91 ± 1.34	96.35	144 (10)
PND16	30.45 ± 0.45	126 (10)	32.11 ± 0.53	105.45	127 (10)	30.38 ± 0.41	99.76	115 (9)	29.52 ± 1.32	96.95	143 (10)
PND17	32.23 ± 0.55	126 (10)	34.05 ± 0.60	105.65	127 (10)	32.10 ± 0.46	99.61	115 (9)	31.07 ± 1.44	96.41	143 (10)
PND18	34.78 ± 0.68	126 (10)	37.17 ± 0.66	106.87	127 (10)	35.01 ± 0.58	100.67	115 (9)	33.44 ± 1.71	96.15	143 (10)
PND19	38.69 ± 0.79	126 (10)	41.56 ± 0.69	107.43	127 (10)	38.92 ± 0.65	100.61	115 (9)	36.54 ± 2.08	94.45	143 (10)
PND20	42.87 ± 0.72	126 (10)	45.70 ± 0.72	106.60	127 (10)	42.79 ± 0.60	99.82	115 (9)	40.86 ± 2.30	95.32	143 (10)
PND21	47.16 ± 0.79	126 (10)	49.48 ± 0.77	104.92	127 (10)	46.69 ± 0.57	99.00	115 (9)	44.74 ± 2.36	94.87	143 (10)
PND22	51.02 ± 0.80	126 (10)	53.41 ± 0.76	104.69	127 (10)	50.91 ± 0.66	99.77	115 (9)	48.64 ± 2.49	95.34	143 (10)
PND23	55.30 ± 0.78	126 (10)	57.62 ± 0.86	104.20	127 (10)	55.13 ± 0.59	99.70	115 (9)	53.01 ± 2.50	95.87	143 (10)
PND24	59.58 ± 0.86	126 (10)	61.96 ± 0.93	103.99	127 (10)	59.24 ± 0.59	99.43	115 (9)	57.40 ± 2.59	96.35	143 (10)
PND25	63.93 ± 0.91	126 (10)	66.52 ± 0.91	104.05	127 (10)	63.68 ± 0.75	99.61	115 (9)	62.07 ± 2.76	97.09	143 (10)
PND26	68.65 ± 1.00	126 (10)	71.50 ± 0.95	104.14	127 (10)	68.61 ± 0.80	99.93	115 (9)	66.87 ± 2.81	97.40	143 (10)
PND27	73.68 ± 0.94	112 (9)	76.07 ± 1.05	103.23	127 (10)	73.76 ± 0.97	100.10	115 (9)	71.69 ± 2.96	97.29	143 (10)
PND28	79.21 ± 1.23	112 (9)	81.91 ± 0.96	103.42	127 (10)	79.47 ± 0.97	100.33	115 (9)	77.44 ± 3.01	97.77	143 (10)

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F1 Pups

Phase Day	Treatment Groups (mg/kg/day)		
	250		
	WT (g)	% of CNTL	N
PND1	7.18 ± 0.13	102.89	165 (13)
PND4	9.97 ± 0.48	96.61	162 (13)
PND7	15.18 ± 0.41	104.21	109 (9)
PND12	24.74 ± 0.53	104.78	108 (9)
PND13	26.25 ± 0.53	102.73	108 (9)
PND14	27.61 ± 0.54	101.81	108 (9)
PND15	29.08 ± 0.51	100.40	108 (9)
PND16	30.34 ± 0.56	99.62	108 (9)
PND17	31.62 ± 0.82	98.13	108 (9)
PND18	33.38 ± 1.20	95.96	108 (9)
PND19	37.72 ± 1.06	97.51	95 (8)
PND20	41.77 ± 1.17	97.44	95 (8)
PND21	46.09 ± 1.18	97.73	95 (8)
PND22	50.06 ± 1.28	98.11	95 (8)
PND23	54.39 ± 1.35	98.37	95 (8)
PND24	58.64 ± 1.36	98.42	95 (8)
PND25	63.27 ± 1.54	98.96	95 (8)
PND26	67.67 ± 1.56	98.56	95 (8)
PND27	72.29 ± 1.60	98.11	95 (8)
PND28	77.37 ± 1.65	97.68	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 ****