

**Study Number:** MOG006

**Test Type:** MOG - Range Finding

**Route:** Oral Gavage - Constant Volume

**Species/Strain:** Rat/Sprague-Dawley

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R19G: Pup Mean Body Weight Gain**

**Test Compound:** Hydroxyurea

**CAS Number:** 127-07-1

MOG006

Female

See web page for date of PWG Approval

**Date Report Requested:** 03/02/2020

**Time Report Requested:** 09:59:07

**Lab:** RTI

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F1 Males

Treatment Groups (mg/kg/day)

Phase	Days	0		37.5		75		100		150	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	2.72 ± 0.33	57 (8)	2.90 ± 0.25	31 (5)	2.49 ± 0.43	44 (7)	2.50 ± 0.35	43 (6)	2.71 ± 0.22	34 (6)
	4 - 7	3.68 ± 0.23	56 (8)	3.86 ± 0.23	30 (5)	3.80 ± 0.17	44 (7)	3.72 ± 0.17	42 (6)	3.77 ± 0.24	33 (6)
	7 - 10	4.97 ± 0.21	55 (8)	4.51 ± 0.29	30 (5)	5.18 ± 0.32	44 (7)	4.77 ± 0.14	41 (6)	4.35 ± 0.41	33 (6)
	1 - 10	11.50 ± 0.52	55 (8)	11.29 ± 0.67	30 (5)	11.50 ± 0.31	44 (7)	11.06 ± 0.49	41 (6)	10.87 ± 0.74	33 (6)
	10 - 14	7.71 ± 0.40 **	54 (8)	7.58 ± 0.36	30 (5)	7.27 ± 0.24	44 (7)	6.99 ± 0.17	41 (6)	5.65 ± 0.74 **	31 (6)
	14 - 21	19.03 ± 0.79 **	54 (8)	16.79 ± 1.01	30 (5)	10.15 ± 0.56 **	44 (7)	8.67 ± 0.68 **	41 (6)	NR	
	21 - 25	18.40 ± 0.82 **	54 (8)	17.47 ± 0.63	30 (5)	15.38 ± 1.30	44 (7)	6.97 ± 0.87 **	37 (6)	NR	
	25 - 28	12.92 ± 0.93 **	54 (8)	10.75 ± 1.72	30 (5)	10.69 ± 0.96	44 (7)	4.90 ± 1.56 **	34 (6)	NR	
	10 - 28	58.26 ± 1.78 **	54 (8)	52.79 ± 3.13	30 (5)	43.67 ± 2.22 **	44 (7)	28.54 ± 1.94 **	34 (6)	NR	

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F1 Females

Treatment Groups (mg/kg/day)

Phase	Days	0		37.5		75		100		150	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	2.66 ± 0.29	42 (8)	2.59 ± 0.21	32 (5)	2.40 ± 0.38	39 (7)	2.14 ± 0.28	43 (7)	2.40 ± 0.34	36 (6)
	4 - 7	3.49 ± 0.25	42 (8)	3.66 ± 0.19	32 (5)	3.70 ± 0.16	39 (7)	3.55 ± 0.19	43 (7)	3.36 ± 0.37	36 (6)
	7 - 10	5.29 ± 0.34	42 (8)	4.52 ± 0.33	32 (5)	4.95 ± 0.27	39 (7)	4.35 ± 0.33	43 (7)	4.67 ± 0.29	36 (6)
	1 - 10	11.44 ± 0.60	42 (8)	10.78 ± 0.61	32 (5)	11.05 ± 0.50	39 (7)	10.04 ± 0.60	43 (7)	10.43 ± 0.92	36 (6)
	10 - 14	7.37 ± 0.35 **	42 (8)	7.09 ± 0.53	32 (5)	6.73 ± 0.35	39 (7)	6.17 ± 0.21	43 (7)	5.25 ± 0.54 **	33 (6)
	14 - 21	18.07 ± 0.65 **	42 (8)	16.38 ± 0.99	32 (5)	9.69 ± 0.45 **	39 (7)	6.89 ± 0.82 **	43 (7)	NR	
	21 - 25	15.80 ± 0.80 **	41 (8)	14.98 ± 0.79	32 (5)	12.69 ± 1.52	39 (7)	6.65 ± 0.72 **	41 (7)	NR	
	25 - 28	11.31 ± 1.07 **	41 (8)	9.84 ± 1.01	32 (5)	9.34 ± 0.82	38 (7)	5.00 ± 1.15 **	39 (7)	NR	
	10 - 28	52.71 ± 1.44 **	41 (8)	48.41 ± 2.43	32 (5)	38.43 ± 2.24 **	38 (7)	25.17 ± 2.06 **	39 (7)	NR	

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F1 Pups

Treatment Groups (mg/kg/day)

Phase	Days	0		37.5		75		100		150	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	2.70 ± 0.30	99 (8)	2.74 ± 0.22	63 (5)	2.48 ± 0.38	83 (7)	2.21 ± 0.32	86 (7)	2.57 ± 0.28	70 (6)
	4 - 7	3.62 ± 0.24	98 (8)	3.75 ± 0.19	62 (5)	3.75 ± 0.15	83 (7)	3.55 ± 0.16	85 (7)	3.59 ± 0.29	69 (6)
	7 - 10	5.13 ± 0.29	97 (8)	4.50 ± 0.31	62 (5)	5.04 ± 0.24	83 (7)	4.42 ± 0.24	84 (7)	4.54 ± 0.35	69 (6)
	1 - 10	11.50 ± 0.55	97 (8)	11.01 ± 0.62	62 (5)	11.29 ± 0.39	83 (7)	10.22 ± 0.59	84 (7)	10.72 ± 0.84	69 (6)
	10 - 14	7.46 ± 0.33 **	96 (8)	7.33 ± 0.44	62 (5)	7.04 ± 0.25	83 (7)	6.42 ± 0.27	84 (7)	5.44 ± 0.63 **	64 (6)
	14 - 21	18.57 ± 0.74 **	96 (8)	16.58 ± 0.97	62 (5)	9.92 ± 0.41 **	83 (7)	6.94 ± 1.35 **	84 (7)	NR	
	21 - 25	17.48 ± 0.72 **	95 (8)	16.21 ± 0.62	62 (5)	14.04 ± 1.41 *	83 (7)	6.60 ± 0.69 **	78 (7)	NR	
	25 - 28	12.13 ± 0.95 **	95 (8)	10.08 ± 1.33	62 (5)	9.95 ± 0.81	82 (7)	4.95 ± 1.06 **	73 (7)	NR	
	10 - 28	55.85 ± 1.65 **	95 (8)	50.35 ± 2.66	62 (5)	41.00 ± 2.06 **	82 (7)	25.58 ± 2.36 **	73 (7)	NR	

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#### LEGEND

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N = the number of pups (number of litters)

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

PND - Postnatal Day, pups pre-weaning

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  $P \leq 0.01$

NR not recorded

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