

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

I04: Mean Body Weight Summary

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: 10:26:49

Lab: RTI

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F0 Females

Treatment Groups (mg/kg/day)

Phase Day	0		37.5			75			100		
	Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD3	223.1 ± 3.5	8	222.5 ± 3.7	99.7	6	222.7 ± 4.6	99.8	8	226.1 ± 2.9	101.3	7
GD6	234.9 ± 3.9	8	233.3 ± 3.8	99.3	6	233.8 ± 4.2	99.5	8	239.1 ± 2.5	101.8	7
GD9	251.5 ± 4.5	8	246.2 ± 4.1	97.9	6	250.4 ± 4.4	99.6	8	254.3 ± 2.9	101.1	7
GD12	265.4 ± 4.1	8	260.4 ± 4.9	98.1	6	266.1 ± 4.2	100.2	8	267.9 ± 2.8	100.9	7
GD15	286.1 ± 4.8	8	282.5 ± 5.2	98.7	6	286.2 ± 5.1	100.0	8	288.1 ± 4.2	100.7	7
GD17	307.6 ± 5.5	8	304.2 ± 5.8	98.9	6	310.3 ± 5.7	100.9	8	311.8 ± 5.8	101.3	7
GD18	323.1 ± 6.4	8	318.9 ± 6.3	98.7	6	324.2 ± 5.9	100.4	8	326.5 ± 7.1	101.1	7
GD19	338.4 ± 6.7	8	332.8 ± 5.0	98.4	6	338.2 ± 5.9	100.0	8	340.5 ± 7.8	100.6	7
GD20	351.8 ± 8.1	8	343.6 ± 6.1	97.7	6	352.4 ± 6.0	100.2	8	353.5 ± 9.7	100.5	7
GD21	368.7 ± 8.6	8	362.8 ± 5.2	98.4	6	369.5 ± 5.9	100.2	8	369.0 ± 11.4	100.1	7

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Treatment Groups (mg/kg/day)

Phase Day	0		37.5			75			100		
	Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
LD1	271.8 ± 3.9	8	266.9 ± 4.5	98.2	6	277.1 ± 6.1	101.9	8	273.9 ± 5.3	100.8	7
LD2	275.9 ± 4.3 *	8	267.4 ± 5.3	96.9	6	276.0 ± 4.5	100.0	8	279.3 ± 4.4	101.2	7
LD3	281.9 ± 3.8	8	272.7 ± 7.5	96.7	6	281.4 ± 5.1	99.8	8	283.3 ± 5.0	100.5	7
LD4	283.1 ± 4.4	8	276.0 ± 7.5	97.5	6	282.4 ± 5.5	99.7	8	286.5 ± 5.7	101.2	7
LD5	290.6 ± 6.0	8	284.4 ± 4.9	97.9	5	291.4 ± 5.5	100.3	7	292.6 ± 5.2	100.7	7
LD6	292.3 ± 4.9	8	289.3 ± 6.4	99.0	5	292.8 ± 5.5	100.2	7	298.0 ± 5.6	102.0	7
LD7	295.9 ± 4.6	8	289.7 ± 8.3	97.9	5	296.3 ± 6.1	100.2	7	303.8 ± 5.8	102.7	7
LD8	297.6 ± 4.6	8	289.3 ± 9.0	97.2	5	303.8 ± 5.9	102.1	7	308.0 ± 6.4	103.5	7
LD9	299.4 ± 4.1	8	294.6 ± 9.0	98.4	5	303.4 ± 6.4	101.4	7	306.9 ± 5.7	102.5	7
LD10	305.9 ± 5.4	8	301.5 ± 9.5	98.6	5	309.2 ± 6.7	101.1	7	306.9 ± 5.5	100.3	7
LD11	307.2 ± 4.5	8	298.1 ± 7.6	97.0	5	309.2 ± 6.6	100.6	7	308.1 ± 5.1	100.3	7
LD12	307.8 ± 3.6	8	296.0 ± 6.1	96.2	5	310.6 ± 5.7	100.9	7	308.4 ± 4.6	100.2	7
LD13	306.4 ± 4.1	8	296.7 ± 8.8	96.8	5	309.3 ± 6.5	100.9	7	309.5 ± 5.0	101.0	7
LD14	304.9 ± 2.7	8	297.4 ± 8.1	97.6	5	305.5 ± 6.0	100.2	7	307.3 ± 6.0	100.8	7
LD15	307.6 ± 2.6	8	293.8 ± 9.8	95.5	5	307.3 ± 3.6	99.9	7	306.8 ± 5.3	99.7	7
LD16	302.8 ± 3.1	8	295.8 ± 6.8	97.7	5	305.0 ± 4.8	100.7	7	305.2 ± 5.4	100.8	7
LD17	302.2 ± 3.4	8	301.0 ± 7.9	99.6	4	304.1 ± 4.9	100.7	7	304.6 ± 6.3	100.8	7
LD18	299.6 ± 4.4	8	289.6 ± 9.3	96.7	5	303.2 ± 4.7	101.2	7	302.6 ± 5.7	101.0	7
LD19	297.7 ± 3.7	8	286.9 ± 9.7	96.4	5	296.2 ± 4.6	99.5	7	300.0 ± 6.5	100.8	7
LD20	296.6 ± 3.2	8	285.2 ± 10.5	96.2	5	307.7 ± 5.6	103.8	7	305.0 ± 6.3	102.8	7
LD21	290.4 ± 4.4	8	283.6 ± 11.9	97.6	5	298.8 ± 5.8	102.9	7	299.8 ± 7.7	103.2	7
LD22	288.3 ± 1.4 *	8	278.8 ± 10.4	96.7	5	295.6 ± 6.0	102.5	7	300.7 ± 5.7	104.3	7
LD23	286.5 ± 2.3 *	8	275.9 ± 7.3	96.3	5	291.4 ± 5.3	101.7	7	298.3 ± 3.0	104.1	7
LD24	280.5 ± 3.9 *	8	276.3 ± 9.5	98.5	5	289.5 ± 5.6	103.2	7	297.2 ± 4.9	106.0	7
LD25	279.8 ± 3.8	8	267.4 ± 8.6	95.5	5	284.1 ± 6.4	101.5	7	293.1 ± 6.3	104.7	7
LD26	277.0 ± 4.5	8	264.8 ± 8.4	95.6	5	278.1 ± 6.1	100.4	7	286.5 ± 5.7	103.4	7
LD27	272.3 ± 5.6	8	264.7 ± 9.5	97.2	5	276.0 ± 5.7	101.4	7	287.3 ± 6.3	105.5	7
LD28	265.8 ± 6.4	8	251.2 ± 8.4	94.5	5	264.5 ± 6.6	99.5	7	285.2 ± 7.2	107.3	7

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F0 Females

Phase Day	Treatment Groups (mg/kg/day)		
	150		
	Wt (g)	% of CNTL	N
GD3	222.9 ± 3.4	99.9	7
GD6	236.5 ± 3.5	100.7	7
GD9	253.3 ± 3.3	100.7	7
GD12	270.6 ± 3.6	101.9	7
GD15	293.2 ± 4.0	102.5	7
GD17	315.1 ± 4.5	102.4	7
GD18	329.4 ± 5.5	102.0	7
GD19	342.6 ± 6.9	101.2	7
GD20	355.0 ± 8.9	100.9	7
GD21	371.3 ± 9.9	100.7	7

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F0 Females

Phase Day	Treatment Groups (mg/kg/day)		
	150		
	Wt (g)	% of CNTL	N
LD1	278.0 ± 3.3	102.3	7
LD2	280.1 ± 3.1	101.5	7
LD3	279.3 ± 3.0	99.1	7
LD4	284.8 ± 5.2	100.6	7
LD5	292.0 ± 3.2	100.5	6
LD6	299.0 ± 3.4	102.3	6
LD7	303.2 ± 4.4	102.5	6
LD8	307.4 ± 4.7	103.3	6
LD9	308.2 ± 4.3	102.9	6
LD10	311.4 ± 3.2	101.8	6
LD11	310.3 ± 3.4	101.0	6
LD12	307.9 ± 3.7	100.0	6
LD13	311.0 ± 2.4	101.5	6
LD14	311.4 ± 2.0	102.1	6
LD15	308.4 ± 2.5	100.2	6
LD16	309.9 ± 3.3	102.4	6
LD17	308.5 ± 3.8	102.1	6
LD18	296.9 ± 6.4	99.1	5
LD19	NR		
LD20	NR		
LD21	NR		
LD22	NR		
LD23	NR		
LD24	NR		
LD25	NR		
LD26	NR		
LD27	NR		
LD28	NR		

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LEGEND

Data are displayed as mean \pm SEM

GD - Gestation Day; LD - Lactation Day

In multigenerational studies, body weights reported for all animals until mating; pregnant animals only during gestation and lactation; all animals post-weaning.

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 $P \leq 0.01$

Change in N for lactational day 17 in the 37.5 mg/kg group is due to one female's body weight being excluded as an implausible value.

NR not recorded

**** END OF REPORT ****