

**Study Number:** R92025

**Test Type:** RACB - Range Finding

**Route:** Dosing in Feed

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

**C Number:**

**Study Gender:**

**PWG Approval Date**

**I04G: Mean Body Weight Gain**

**Test Compound:** 4-Methylimidazole

**CAS Number:** 822-36-6

R92025

Both

See web page for date of PWG Approval

**Date Report Requested:** 09/18/2018

**Time Report Requested:** 08:34:57

**Lab:** RTI

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F0 Females

Treatment Groups (ppm)

Phase	Litter ID	Days	0		625		1250		2500		5000	
			Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	A	0 - 3	17.9 ± 1.4 **	6	17.8 ± 1.8	7	11.5 ± 1.9 *	7	9.5 ± 1.9 **	7	6.3 ± 1.3	2
		3 - 6	13.6 ± 1.1 **	6	14.1 ± 1.3	7	9.7 ± 0.7 *	7	9.7 ± 1.5 *	7	12.6 ± 4.0	2
		6 - 9	13.4 ± 1.3 **	6	12.9 ± 0.8	7	11.4 ± 0.7	7	8.1 ± 0.7 **	7	4.5 ± 3.4	2
		9 - 12	15.0 ± 1.2	6	12.6 ± 1.3	7	11.9 ± 1.5	7	13.6 ± 0.8	7	10.5 ± 2.0	2
		12 - 15	21.0 ± 1.0 **	6	17.1 ± 0.8	7	17.9 ± 1.6	7	14.2 ± 1.0 **	7	10.8 ± 2.0	2
		15 - 18	43.4 ± 2.7 *	6	35.9 ± 3.1	7	36.1 ± 3.9	7	33.9 ± 2.3	7	26.9 ± 4.1	2
		18 - 21	50.8 ± 5.0	6	46.0 ± 1.8	7	46.4 ± 5.0	7	39.1 ± 1.6	7	22.8 ± 1.4	2
		0 - 21	175.2 ± 8.5 **	6	156.4 ± 7.4	7	144.9 ± 9.1 *	7	128.1 ± 5.9 **	7	94.4 ± 11.2	2
Lactation	A	1 - 4	14.7 ± 2.5	6	8.4 ± 3.1	7	10.1 ± 1.8	7	12.8 ± 2.9	7	4.1	1
		4 - 7	10.5 ± 2.5	6	6.1 ± 2.7	7	11.8 ± 2.0	7	7.2 ± 3.2	7	9.3	1
		7 - 14	1.8 ± 4.6	6	9.0 ± 4.0	7	2.5 ± 3.7	6	10.5 ± 5.9	7	13.8	1
		14 - 21	-30.7 ± 8.5 *	6	-18.6 ± 4.2	7	-18.2 ± 2.8	6	-10.1 ± 3.0 *	7	5.2	1
		1 - 21	-3.8 ± 7.9 **	6	5.0 ± 4.9	7	6.4 ± 4.3	7	20.4 ± 5.3 **	7	32.4	1

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests (unless otherwise noted).

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  $P \leq 0.01$

GD - Gestation Day; LD - Lactation Day

Data with sample sizes of 1 or 2 were excluded from the trend and multiple comparisons tests.

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