

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 07/25/2018
Time Report Requested: 11:12:39
Lab: RTI

C Number: R92025B
Study Gender: Both
PWG Approval Date See web page for date of PWG Approval

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F0 Males

Treatment Groups (ppm)

Phase	Litter ID	Days	0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Study	0 - 3		21.4 ± 0.3 **	66.0 ± 0.9 **	23	21.1 ± 0.5	65.5 ± 1.6	23	13.5 ± 0.5 **	43.3 ± 1.4 **	19
	3 - 7		20.9 ± 0.3 **	62.2 ± 0.8 **	23	20.5 ± 0.3	62.0 ± 0.8	23	18.1 ± 0.4 **	57.9 ± 1.3 **	22
	7 - 10		22.0 ± 0.4 **	63.3 ± 1.0	23	22.3 ± 0.4	65.5 ± 1.1	23	20.1 ± 0.3 **	62.5 ± 0.9	19
	10 - 14		21.0 ± 0.3 **	58.9 ± 0.8 **	23	22.0 ± 0.3	62.9 ± 0.7 **	23	20.4 ± 0.3	61.5 ± 0.8 **	23
	0 - 14		21.3 ± 0.3 **	62.4 ± 0.7 **	23	21.4 ± 0.3	63.9 ± 0.8	23	18.6 ± 0.4 **	57.8 ± 1.1 **	23
	31 - 35		21.3 ± 0.3 **	53.8 ± 0.7 **	23	21.0 ± 0.3	54.8 ± 0.8	23	19.0 ± 0.3 **	51.5 ± 0.5	22
	35 - 38		23.0 ± 0.5 **	56.6 ± 1.1 **	22	22.6 ± 0.5	57.7 ± 1.1	22	19.8 ± 0.2 **	53.1 ± 0.6 *	22
	38 - 42		21.6 ± 0.3 **	52.3 ± 0.8	23	21.6 ± 0.3	54.5 ± 0.9	23	19.4 ± 0.2 **	51.2 ± 0.6	22
	42 - 45		23.3 ± 0.4 **	55.5 ± 1.0 **	21	23.2 ± 0.5	57.7 ± 1.3	22	19.3 ± 0.2 **	50.4 ± 0.5 **	22
	45 - 49		21.8 ± 0.3 **	51.2 ± 0.7	23	22.1 ± 0.3	54.1 ± 0.9	23	19.0 ± 0.3 **	48.8 ± 0.8	22
	49 - 52		23.3 ± 0.5 **	54.2 ± 1.0 **	22	22.9 ± 0.4	55.6 ± 1.1	23	19.0 ± 0.4 **	48.3 ± 0.8 **	22
	52 - 56		21.4 ± 0.2 **	49.2 ± 0.6	23	21.6 ± 0.3	51.7 ± 0.8	23	19.5 ± 0.3 **	49.5 ± 0.6	22
	31 - 56		22.1 ± 0.3 **	53.0 ± 0.7 **	23	22.1 ± 0.3	55.0 ± 0.9	23	19.3 ± 0.2 **	50.4 ± 0.4 *	22
	73 - 77		21.8 ± 0.3 **	48.3 ± 0.7 **	23	21.2 ± 0.3	49.4 ± 0.8	23	18.4 ± 0.4 **	45.2 ± 0.6 **	20
	77 - 80		24.1 ± 0.7 **	52.9 ± 1.5 **	23	22.8 ± 0.6	52.6 ± 1.3	23	20.0 ± 0.5 **	48.7 ± 0.9	20
	80 - 84		21.7 ± 0.4 **	47.0 ± 0.9 **	23	20.6 ± 0.3	47.0 ± 0.8	23	19.2 ± 0.5 **	46.4 ± 0.8	20
	84 - 87		23.4 ± 0.6 **	50.3 ± 1.2 *	22	22.5 ± 0.5	50.8 ± 1.0	23	20.4 ± 0.5 **	48.9 ± 0.9	20
	87 - 91		22.0 ± 0.5 **	47.1 ± 1.2 *	23	21.2 ± 0.3	47.7 ± 0.7	23	19.4 ± 0.4 **	46.3 ± 0.7	20
	91 - 94		24.8 ± 0.6 **	52.8 ± 1.2 **	23	22.6 ± 0.5 **	50.6 ± 1.2	23	19.8 ± 0.4 **	46.7 ± 0.8 **	20
	73 - 94		22.8 ± 0.4 **	49.5 ± 0.9 **	23	21.7 ± 0.3	49.4 ± 0.8	23	19.5 ± 0.4 **	46.9 ± 0.6 *	20
	112 - 115		24.3 ± 0.7 **	50.8 ± 1.5 **	23	24.0 ± 0.6	52.7 ± 1.4	23	20.3 ± 0.4 **	46.8 ± 0.8 *	20
	115 - 119		21.1 ± 0.3 **	43.9 ± 0.6	23	21.7 ± 0.4	47.3 ± 0.8 **	23	19.3 ± 0.3 **	44.4 ± 0.7	20
	119 - 122		24.7 ± 0.6 **	50.9 ± 1.3 **	22	22.9 ± 0.5	49.9 ± 1.1	23	19.9 ± 0.4 **	45.4 ± 0.8 **	20
	112 - 122		23.1 ± 0.5 **	47.9 ± 1.0 **	23	22.7 ± 0.4	49.7 ± 1.0	23	19.8 ± 0.4 **	45.4 ± 0.7	20
	133 - 136		25.7 ± 0.6 **	53.1 ± 1.3 **	23	22.3 ± 0.4 **	47.8 ± 1.0 **	23	19.9 ± 0.7 **	45.1 ± 1.4 **	20
	136 - 140		22.6 ± 0.5 **	46.6 ± 1.1 **	23	20.2 ± 0.4 **	43.5 ± 0.9	23	18.6 ± 0.6 **	42.3 ± 1.3 **	20
140 - 143		25.5 ± 0.5 **	52.4 ± 1.2 **	23	22.2 ± 0.5 **	47.9 ± 1.2 *	23	19.8 ± 0.7 **	44.7 ± 1.2 **	19	
143 - 147		22.2 ± 0.2 **	45.4 ± 0.6 **	23	20.5 ± 0.3 **	44.0 ± 0.8	23	19.2 ± 0.6 **	43.5 ± 1.3 **	20	
147 - 150		26.3 ± 0.5 **	53.8 ± 1.3 **	23	22.6 ± 0.5 **	48.7 ± 1.1 **	23	21.0 ± 0.8 **	47.4 ± 1.6 **	20	
150 - 154		25.1 ± 1.1 **	51.2 ± 2.2 **	23	20.8 ± 0.4 **	44.9 ± 1.0 *	23	19.1 ± 0.4 **	43.1 ± 0.8 **	20	
154 - 157		26.4 ± 0.5 **	54.0 ± 1.3 **	23	23.4 ± 0.5 **	50.3 ± 1.2 *	23	20.8 ± 0.7 **	46.6 ± 1.6 **	20	

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F0 Males

Treatment Groups (ppm)

Phase	Litter ID	Days	0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
	157 - 161		22.5 ± 0.3 **	45.7 ± 0.6 **	23	21.4 ± 0.5 *	45.9 ± 1.0	23	19.3 ± 0.4 **	43.1 ± 1.0 **	20
	161 - 164		26.1 ± 0.6 **	52.7 ± 1.3 **	22	24.7 ± 0.6	52.8 ± 1.4	23	21.3 ± 0.5 **	47.2 ± 0.9 **	19
	164 - 168		23.5 ± 0.8 **	46.9 ± 1.5 **	22	22.6 ± 0.5	48.0 ± 1.1	22	19.9 ± 0.4 **	44.1 ± 1.1	20
	168 - 171		25.6 ± 0.7 **	51.3 ± 1.6 **	23	24.2 ± 0.6	51.1 ± 1.2	23	22.9 ± 0.8 **	50.4 ± 1.8	20
	171 - 175		22.1 ± 0.2 **	44.0 ± 0.6 **	23	22.4 ± 0.4	47.3 ± 1.0	23	20.1 ± 0.3 **	43.8 ± 0.7	20
	133 - 175		24.3 ± 0.4 **	49.4 ± 0.9 **	23	22.1 ± 0.4 **	47.4 ± 0.9	23	20.1 ± 0.5 **	45.0 ± 1.1 **	20

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Phase	Litter ID	Days	Treatment Groups (ppm)		
			5000		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Study		0 - 3	11.1 ± 0.7 **	36.7 ± 2.4 **	15
		3 - 7	10.8 ± 0.7 **	37.2 ± 2.3 **	22
		7 - 10	18.0 ± 0.7 **	62.1 ± 2.0	22
		10 - 14	20.0 ± 0.5	66.0 ± 1.6 **	23
		0 - 14	15.6 ± 0.5 **	52.0 ± 1.7 **	23
		31 - 35	17.2 ± 0.2 **	49.7 ± 0.5 **	23
		35 - 38	18.5 ± 0.4 **	52.7 ± 0.9 *	22
		38 - 42	19.0 ± 0.4 **	52.7 ± 0.8	23
		42 - 45	18.9 ± 0.3 **	51.8 ± 0.7 **	21
		45 - 49	18.8 ± 0.3 **	50.8 ± 0.7	23
		49 - 52	18.4 ± 0.3 **	49.4 ± 0.8 **	22
		52 - 56	18.4 ± 0.3 **	48.8 ± 0.6	23
		31 - 56	18.5 ± 0.3 **	50.9 ± 0.6 *	23
		73 - 77	17.7 ± 0.3 **	45.0 ± 0.8 **	21
		77 - 80	19.3 ± 0.5 **	48.7 ± 1.1 *	21
		80 - 84	17.3 ± 0.3 **	43.5 ± 0.6 **	21
		84 - 87	19.2 ± 0.4 **	47.7 ± 0.9	21
		87 - 91	18.1 ± 0.3 **	44.3 ± 0.6	21
		91 - 94	17.9 ± 0.3 **	43.6 ± 0.6 **	20
		73 - 94	18.2 ± 0.3 **	45.3 ± 0.6 **	21
		112 - 115	19.4 ± 0.4 **	45.6 ± 0.9 **	21
		115 - 119	18.7 ± 0.2 **	43.6 ± 0.4	21
		119 - 122	19.0 ± 0.4 **	44.2 ± 0.9 **	21
		112 - 122	19.0 ± 0.3 **	44.4 ± 0.6 **	21
		133 - 136	14.3 ± 0.8 **	32.7 ± 2.1 **	21
		136 - 140	16.9 ± 0.4 **	38.9 ± 0.9 **	21
		140 - 143	19.2 ± 0.5 **	44.4 ± 1.0 **	21
		143 - 147	18.6 ± 0.5 **	42.9 ± 0.8 **	21
		147 - 150	20.1 ± 0.5 **	46.1 ± 1.1 **	21
		150 - 154	18.6 ± 0.3 **	42.5 ± 0.5 **	21
		154 - 157	19.9 ± 0.5 **	45.2 ± 1.0 **	21

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F0 Males

Phase	Litter ID	Days	Treatment Groups (ppm)		N
			5000		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	
	157 - 161		18.8 ± 0.4 **	42.5 ± 0.8 **	21
	161 - 164		20.0 ± 0.4 **	44.9 ± 0.8 **	21
	164 - 168		19.5 ± 0.6 **	43.4 ± 1.2 *	21
	168 - 171		19.9 ± 0.4 **	44.2 ± 0.8 **	21
	171 - 175		18.9 ± 0.4 **	41.7 ± 0.7 *	21
	133 - 175		18.7 ± 0.4 **	42.3 ± 0.7 **	21

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F0 Females

Treatment Groups (ppm)

Phase	Litter ID	Days	0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Study		0 - 3	14.7 ± 0.5 **	66.4 ± 1.8 **	23	13.0 ± 0.4 *	60.0 ± 2.0 *	23	10.1 ± 0.5 **	47.0 ± 2.0 **	23
		3 - 7	13.8 ± 0.4 **	61.4 ± 1.3 **	23	13.1 ± 0.3	60.6 ± 1.1	23	11.8 ± 0.3 **	56.6 ± 1.1 **	23
		7 - 10	14.5 ± 0.3	64.5 ± 1.4	23	14.3 ± 0.4	65.5 ± 1.5	23	13.7 ± 0.3	64.7 ± 1.4	23
		10 - 14	14.1 ± 0.3 *	62.0 ± 1.4 **	23	14.0 ± 0.3	63.7 ± 1.3	23	13.8 ± 0.2	63.9 ± 0.8	22
		0 - 14	14.2 ± 0.3 **	63.4 ± 0.8 **	23	13.6 ± 0.3	62.4 ± 1.2	23	12.5 ± 0.2 **	58.3 ± 0.8 **	22
Gestation	A	0 - 3	17.2 ± 0.4 **	71.4 ± 1.1 **	21	17.1 ± 0.4	73.6 ± 1.6	21	15.0 ± 0.3 **	66.8 ± 1.3 *	17
		3 - 6	18.3 ± 0.2 **	72.3 ± 0.7 **	21	17.6 ± 0.4	71.8 ± 1.4	21	15.6 ± 0.3 **	66.1 ± 1.3 **	17
		6 - 9	19.1 ± 0.4 **	72.3 ± 0.9 **	21	18.0 ± 0.4 *	70.7 ± 1.6	21	15.3 ± 0.4 **	63.1 ± 1.3 **	17
		9 - 12	19.3 ± 0.4 **	69.9 ± 0.9 **	20	18.5 ± 0.3	69.6 ± 1.0	21	16.9 ± 0.4 **	67.0 ± 1.0 *	17
		12 - 15	20.0 ± 0.4 **	68.4 ± 1.0	21	19.0 ± 0.4	67.6 ± 1.3	21	17.1 ± 0.3 **	64.3 ± 0.9	17
		15 - 18	22.4 ± 0.6 **	69.5 ± 1.3 **	21	21.6 ± 0.3	70.5 ± 0.9	21	17.9 ± 0.3 **	62.5 ± 0.9 **	17
		18 - 21	24.4 ± 0.5 **	66.3 ± 0.9 **	21	23.3 ± 0.5	66.8 ± 1.2	21	18.9 ± 0.4 **	59.0 ± 1.0 **	17
		0 - 21	20.1 ± 0.3 **	69.5 ± 0.7 **	21	19.3 ± 0.3	69.6 ± 0.9	21	16.7 ± 0.2 **	63.7 ± 0.5 **	17
Lactation	A	1 - 4	35.0 ± 1.0 **	119.6 ± 3.4 **	22	31.9 ± 0.9 *	114.8 ± 2.8	22	24.5 ± 1.3 **	95.8 ± 5.3 **	15
Gestation	B	0 - 3	17.9 ± 0.4 **	62.6 ± 1.4 *	18	17.2 ± 0.4	63.2 ± 1.3	20	14.9 ± 0.2 **	58.4 ± 1.1	16
		3 - 6	19.3 ± 0.3 **	65.3 ± 1.0 **	18	18.1 ± 0.3 **	64.2 ± 1.1	20	15.8 ± 0.2 **	60.3 ± 0.9 **	16
		6 - 9	19.6 ± 0.4 **	64.7 ± 0.9	18	18.5 ± 0.4 *	64.2 ± 1.3	20	16.4 ± 0.3 **	61.2 ± 1.1	16
		9 - 12	19.6 ± 0.3 **	62.9 ± 0.8	18	19.1 ± 0.3	64.1 ± 1.0	20	17.0 ± 0.3 **	61.4 ± 1.0	16
		12 - 15	20.3 ± 0.4 **	62.5 ± 0.8	18	19.1 ± 0.4	61.6 ± 1.1	20	17.8 ± 0.4 **	61.7 ± 1.0	16
		15 - 18	22.5 ± 0.6 **	63.7 ± 1.3	18	21.4 ± 0.3	63.8 ± 0.9	20	18.8 ± 0.5 **	61.4 ± 1.3	16
		18 - 21	25.3 ± 0.7 **	63.6 ± 1.4 **	18	24.1 ± 0.6	63.4 ± 1.3	20	20.2 ± 0.5 **	59.7 ± 1.2	16
		0 - 21	20.6 ± 0.4 **	63.4 ± 0.8 **	18	19.6 ± 0.3	63.3 ± 0.8	20	17.3 ± 0.3 **	60.4 ± 0.8 *	16
Lactation	B	1 - 4	33.5 ± 0.8 **	104.2 ± 2.5 *	19	31.7 ± 0.8	104.9 ± 2.5	23	25.8 ± 1.0 **	91.7 ± 3.9	17

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F0 Females

Phase	Litter ID	Days	Treatment Groups (ppm)								
			0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Gestation	C	0 - 3	17.7 ± 0.5 **	58.1 ± 1.6 *	17	16.9 ± 0.3	58.1 ± 1.1	20	14.9 ± 0.3 **	53.6 ± 1.0	16
		3 - 6	18.6 ± 0.3 **	59.5 ± 1.0	17	17.9 ± 0.3	59.9 ± 0.9	20	16.2 ± 0.4 **	57.2 ± 1.0	16
		6 - 9	19.5 ± 0.5 **	61.3 ± 1.5	17	18.1 ± 0.3 *	59.6 ± 0.9	20	16.7 ± 0.4 **	58.2 ± 1.1	16
		9 - 12	19.3 ± 0.4 **	58.8 ± 1.2	17	18.3 ± 0.3	58.6 ± 0.8	20	16.7 ± 0.3 **	56.5 ± 0.8	16
		12 - 15	21.0 ± 0.6 **	61.5 ± 1.8	17	20.0 ± 0.3	61.7 ± 0.8	20	18.2 ± 0.3 **	59.5 ± 0.8	16
		15 - 18	22.2 ± 0.5 **	60.1 ± 1.4	17	21.6 ± 0.3	61.7 ± 0.7	20	19.3 ± 0.5 **	59.3 ± 1.3	16
		18 - 21	26.0 ± 0.8 **	62.8 ± 1.9 *	17	24.5 ± 0.4	62.6 ± 0.9	20	20.7 ± 0.5 **	57.8 ± 1.3	16
		0 - 21	20.6 ± 0.4 **	60.2 ± 1.3 *	17	19.6 ± 0.2 *	60.2 ± 0.6	20	17.5 ± 0.3 **	57.4 ± 0.8 *	16
Lactation	C	1 - 4	31.6 ± 1.0 **	93.9 ± 3.4	19	30.9 ± 0.8	96.5 ± 2.5	22	26.8 ± 1.0 **	90.8 ± 3.4	15
		4 - 7	43.3 ± 1.4 **	125.3 ± 4.2	19	40.6 ± 0.8 *	124.2 ± 2.9	22	35.2 ± 1.5 **	117.2 ± 4.8	15
		7 - 10	53.4 ± 1.7 **	151.7 ± 5.5	19	50.2 ± 1.2 *	151.2 ± 3.8	22	44.1 ± 2.1 **	143.4 ± 6.6	15
		10 - 13	58.2 ± 2.1 **	165.0 ± 6.7	19	55.6 ± 1.1 *	166.3 ± 3.2	22	49.1 ± 2.0 **	156.5 ± 6.2	15
		1 - 13	46.6 ± 1.4 **	134.8 ± 4.7	19	44.3 ± 0.9	135.2 ± 2.8	22	38.8 ± 1.6 **	127.6 ± 5.1	15
Gestation	D	0 - 3	18.3 ± 0.9 **	58.6 ± 2.4 **	11	NR	NR		14.0 ± 0.5 **	48.5 ± 1.4 **	9
		3 - 6	19.4 ± 0.7 **	60.1 ± 1.5 **	11	NR	NR		15.7 ± 0.4 **	53.1 ± 1.0 **	9
		6 - 9	20.9 ± 0.6 **	63.1 ± 1.4 **	11	NR	NR		17.0 ± 0.6 **	56.3 ± 1.2 **	9
		9 - 12	20.3 ± 0.6 **	59.1 ± 1.2	11	NR	NR		17.6 ± 0.5 **	56.5 ± 0.7	9
		12 - 15	21.6 ± 0.7 **	60.8 ± 1.4 *	11	NR	NR		18.5 ± 0.5 **	57.1 ± 0.9 *	9
		15 - 18	22.7 ± 0.7 *	59.5 ± 1.2	11	NR	NR		19.9 ± 0.8 *	57.5 ± 1.4	9
		18 - 21	25.1 ± 1.0 *	59.4 ± 1.6	11	NR	NR		22.7 ± 2.4 *	58.6 ± 4.6	9
		0 - 21	21.2 ± 0.7 **	59.9 ± 1.2 *	11	NR	NR		17.9 ± 0.7 **	55.4 ± 1.3 *	9
Lactation	D	1 - 4	29.7 ± 1.7	82.6 ± 4.4	12	NR	NR		28.0 ± 1.9	89.4 ± 4.7	9
Study		164 - 168	16.4 ± 0.4 **	51.6 ± 1.1 **	22	15.6 ± 0.2	51.2 ± 0.8	23	14.4 ± 0.4 **	49.8 ± 0.8	19
		168 - 171	15.7 ± 0.4 **	49.8 ± 1.3	21	16.5 ± 0.4	54.6 ± 1.2 *	23	14.3 ± 0.3 *	49.8 ± 0.8	19
		171 - 175	15.4 ± 0.4 **	49.3 ± 1.1	21	15.3 ± 0.3	50.6 ± 0.9	23	14.2 ± 0.2 *	49.9 ± 0.7	19
		175 - 178	16.4 ± 0.7 **	52.2 ± 1.9	22	16.0 ± 0.5	53.4 ± 1.5	23	13.7 ± 0.3 **	48.2 ± 1.0	19
		178 - 182	15.4 ± 0.5 **	49.0 ± 1.2	22	14.8 ± 0.3	49.7 ± 0.7	23	13.5 ± 0.2 **	47.6 ± 0.7	19

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Phase	Litter ID	Days	Treatment Groups (ppm)		
			5000		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Study		0 - 3	10.6 ± 1.3 **	50.3 ± 6.1 **	16
		3 - 7	8.7 ± 0.4 **	43.4 ± 2.0 **	23
		7 - 10	13.7 ± 0.4	67.2 ± 1.5	23
		10 - 14	14.9 ± 0.2	70.4 ± 0.9 **	23
		0 - 14	12.1 ± 0.3 **	58.0 ± 1.2 **	23
Gestation	A	0 - 3	13.7 ± 0.9 **	62.9 ± 3.4 *	7
		3 - 6	15.4 ± 0.4 **	68.5 ± 1.9 *	7
		6 - 9	16.8 ± 1.2 **	71.4 ± 5.0 **	7
		9 - 12	15.4 ± 0.6 **	63.4 ± 2.4 **	7
		12 - 15	17.6 ± 1.0 **	68.7 ± 3.4	7
		15 - 18	17.1 ± 0.5 **	61.3 ± 1.8 **	7
		18 - 21	16.2 ± 0.9 **	52.7 ± 2.9 **	7
0 - 21	16.0 ± 0.4 **	63.5 ± 1.2 **	7		
Lactation	A	1 - 4	10.9	50.8	1
Gestation	B	0 - 3	14.6 ± 0.5 **	59.3 ± 1.2	9
		3 - 6	15.6 ± 0.5 **	61.0 ± 1.6 **	9
		6 - 9	16.6 ± 0.6 **	63.5 ± 1.5	9
		9 - 12	16.8 ± 0.7 **	62.6 ± 1.9	9
		12 - 15	16.6 ± 0.9 **	59.7 ± 3.3	9
		15 - 18	17.9 ± 0.8 **	60.7 ± 1.9	9
		18 - 21	16.1 ± 0.8 **	50.7 ± 2.2 **	9
0 - 21	16.3 ± 0.5 **	59.3 ± 1.3 *	9		
Lactation	B	1 - 4	14.4	58.8	1

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 07/25/2018
Time Report Requested: 11:12:39
Lab: RTI

F0 Females

Phase	Litter ID	Days	Treatment Groups (ppm)		N
			5000		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	
Gestation	C	0 - 3	NR	NR	
		3 - 6	NR	NR	
		6 - 9	NR	NR	
		9 - 12	NR	NR	
		12 - 15	NR	NR	
		15 - 18	NR	NR	
		18 - 21	NR	NR	
		0 - 21	NR	NR	
Lactation	C	1 - 4	NR	NR	
		4 - 7	NR	NR	
		7 - 10	NR	NR	
		10 - 13	NR	NR	
		1 - 13	NR	NR	
Gestation	D	0 - 3	NR	NR	
		3 - 6	NR	NR	
		6 - 9	NR	NR	
		9 - 12	NR	NR	
		12 - 15	NR	NR	
		15 - 18	NR	NR	
		18 - 21	NR	NR	
		0 - 21	NR	NR	
Lactation	D	1 - 4	NR	NR	
Study		164 - 168	12.9 ± 0.4 **	47.9 ± 1.2 **	13
		168 - 171	13.6 ± 0.5 **	50.3 ± 1.7	12
		171 - 175	13.6 ± 0.5 **	50.0 ± 1.4	11
		175 - 178	13.7 ± 0.6 **	50.1 ± 1.9	12
		178 - 182	13.1 ± 0.5 **	48.0 ± 1.0	11

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 07/25/2018
Time Report Requested: 11:12:39
Lab: RTI

F1 Males: All F1 Males

Phase	Litter ID	Days	Treatment Groups (ppm)								
			0			750			2500		
			Wt (g/cage/day)	Wt (g/kg/cage/day)	N	Wt (g/cage/day)	Wt (g/kg/cage/day)	N	Wt (g/cage/day)	Wt (g/kg/cage/day)	N
Postnatal	28 - 35	13.6 ± 0.1 **	126.1 ± 1.3 **	47	13.2 ± 0.2 *	130.5 ± 1.5 *	51	11.5 ± 0.2 **	131.3 ± 2.0 *	32	
	35 - 42	18.8 ± 0.2 **	119.2 ± 1.0	47	18.2 ± 0.2 **	122.2 ± 1.3	51	15.9 ± 0.2 **	121.8 ± 1.3	32	
	42 - 49	22.1 ± 0.2 **	105.4 ± 0.8 **	47	21.7 ± 0.2 *	108.6 ± 0.8 **	51	19.0 ± 0.3 **	108.7 ± 1.2 *	32	
	49 - 56	23.7 ± 0.2 **	91.8 ± 0.6 **	47	23.3 ± 0.2	94.3 ± 0.6 **	51	21.0 ± 0.3 **	96.2 ± 1.1 **	32	
	56 - 63	24.4 ± 0.2 **	82.3 ± 0.7 *	47	24.6 ± 0.3	85.4 ± 0.8 **	51	21.6 ± 0.3 **	83.7 ± 0.8	32	
	63 - 70	25.0 ± 0.3 **	76.7 ± 0.7	47	24.7 ± 0.2	77.7 ± 0.7	51	22.0 ± 0.3 **	76.3 ± 0.7	32	
	70 - 77	25.4 ± 0.3 **	72.8 ± 0.8 **	47	24.8 ± 0.3	72.8 ± 0.8	51	21.6 ± 0.3 **	69.1 ± 0.6 **	32	
	77 - 84	25.7 ± 0.3 **	69.9 ± 0.8 **	47	24.8 ± 0.3 *	68.9 ± 0.8	50	21.3 ± 0.3 **	64.7 ± 0.8 **	32	
	84 - 91	25.0 ± 0.3 **	65.3 ± 0.7 **	45	23.9 ± 0.3 **	63.6 ± 0.5	50	20.7 ± 0.3 **	60.4 ± 0.6 **	31	
	28 - 91	22.6 ± 0.2 **	84.0 ± 0.6	47	22.1 ± 0.2 *	84.8 ± 0.5	51	19.4 ± 0.2 **	82.6 ± 0.6	32	

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 07/25/2018
Time Report Requested: 11:12:39
Lab: RTI

F1 Females: All F1 Females

Phase	Litter ID	Days	Treatment Groups (ppm)								
			0			750			2500		
			Wt (g/cage/day)	Wt (g/kg/cage/day)	N	Wt (g/cage/day)	Wt (g/kg/cage/day)	N	Wt (g/cage/day)	Wt (g/kg/cage/day)	N
Postnatal	28 - 35		11.8 ± 0.2 **	124.9 ± 1.2	47	11.2 ± 0.1 **	127.8 ± 1.2	56	10.2 ± 0.1 **	128.5 ± 1.7	34
	35 - 42		15.4 ± 0.2 **	120.5 ± 1.3	45	14.7 ± 0.2 *	120.9 ± 1.3	52	13.6 ± 0.3 **	122.8 ± 2.2	34
	42 - 49		16.5 ± 0.3 **	106.8 ± 1.2 *	46	16.0 ± 0.2	107.1 ± 0.9	52	15.4 ± 0.3 **	110.7 ± 1.3 *	33
	49 - 56		17.0 ± 0.2 *	96.5 ± 0.9	46	16.5 ± 0.2	96.6 ± 1.0	51	16.1 ± 0.3 *	100.2 ± 1.5	32
	56 - 63		16.7 ± 0.3 **	86.2 ± 0.9	45	16.1 ± 0.2	85.3 ± 1.0	52	15.1 ± 0.3 **	85.9 ± 1.2	31
	63 - 70		16.8 ± 0.3 **	80.2 ± 1.1	46	15.4 ± 0.2 **	76.5 ± 0.6 *	52	15.2 ± 0.3 **	80.2 ± 1.5	34
	70 - 77		16.7 ± 0.2 **	76.3 ± 0.9	43	15.6 ± 0.2 **	74.1 ± 0.6	52	15.5 ± 0.4 **	77.9 ± 1.7	34
	77 - 84		16.6 ± 0.2 **	72.6 ± 0.9	45	16.1 ± 0.2	73.0 ± 0.6	52	15.5 ± 0.3 **	74.4 ± 1.4	34
	84 - 91		16.6 ± 0.3 **	69.6 ± 0.8	45	15.8 ± 0.2	69.3 ± 0.5	50	14.7 ± 0.3 **	68.6 ± 1.1	34
	28 - 91		16.0 ± 0.2 **	88.7 ± 0.7	46	15.3 ± 0.1 **	88.2 ± 0.6	52	14.6 ± 0.2 **	90.1 ± 1.0	34

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 07/25/2018
Time Report Requested: 11:12:39
Lab: RTI

F1 Males: F1 Parental Males

Phase	Litter ID	Days	Treatment Groups (ppm)								
			0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Postnatal	126 - 133		24.3 ± 0.8 **	55.5 ± 2.1	18	24.3 ± 0.4	56.5 ± 0.6	22	21.6 ± 0.5 **	54.6 ± 0.7	15
	133 - 140		25.9 ± 0.3 **	58.1 ± 1.1 **	18	24.5 ± 0.5 *	56.1 ± 0.7	22	21.2 ± 0.5 **	52.8 ± 0.6 **	15
	140 - 147		26.2 ± 0.3 **	58.0 ± 1.1 **	17	24.8 ± 0.5 *	55.9 ± 0.9	22	21.3 ± 0.5 **	52.5 ± 0.7 **	15
	168 - 175		25.5 ± 0.3 **	54.6 ± 1.0 **	18	24.7 ± 0.5	53.8 ± 0.9	22	21.4 ± 0.6 **	50.6 ± 1.2 **	15
	175 - 182		26.5 ± 0.3 **	56.1 ± 0.9 **	18	24.5 ± 0.5 **	53.0 ± 0.9 **	22	21.4 ± 0.6 **	50.1 ± 1.1 **	15
	182 - 189		28.1 ± 0.4 **	58.8 ± 1.1 **	18	25.0 ± 0.6 **	53.6 ± 1.0 **	22	21.9 ± 0.7 **	50.8 ± 1.2 **	15
	189 - 196		27.0 ± 0.4 **	55.4 ± 0.7 **	16	25.3 ± 0.6 *	53.7 ± 1.0	21	22.1 ± 0.5 **	50.4 ± 1.2 **	14

Experiment Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 07/25/2018

Time Report Requested: 11:12:39

Lab: RTI

F1 Females: F1 Parental Females

Phase	Litter ID	Days	Treatment Groups (ppm)								
			0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Gestation	A	0 - 3	19.4 ± 0.6 **	73.3 ± 2.3	19	17.9 ± 0.4 *	71.2 ± 1.2	22	18.5 ± 0.9 *	78.7 ± 3.5	14
		3 - 6	19.5 ± 0.3 **	70.4 ± 1.1	19	17.8 ± 0.3 **	68.1 ± 0.9	22	16.5 ± 0.3 **	67.5 ± 1.1	14
		6 - 9	20.4 ± 0.4 **	71.4 ± 1.2	19	18.3 ± 0.3 **	67.4 ± 0.6 **	22	18.3 ± 0.9 **	72.5 ± 3.5	14
		9 - 12	20.3 ± 0.3 **	68.0 ± 1.0	19	18.7 ± 0.3 **	66.2 ± 0.8	22	17.5 ± 0.3 **	66.9 ± 0.8	14
		12 - 15	20.9 ± 0.3 **	67.1 ± 0.8	19	19.6 ± 0.4 **	66.6 ± 1.1	22	18.9 ± 0.5 **	68.9 ± 1.6	14
		15 - 18	23.1 ± 0.4 **	68.1 ± 1.0	19	21.6 ± 0.3 **	68.1 ± 0.9	22	19.5 ± 0.3 **	66.0 ± 0.8	14
		18 - 21	25.8 ± 0.4 **	66.8 ± 0.7 **	19	23.7 ± 0.6 **	66.4 ± 1.3	22	19.8 ± 0.3 **	59.8 ± 0.7 **	14
		0 - 21	21.3 ± 0.3 **	68.8 ± 0.8	19	19.7 ± 0.3 **	67.4 ± 0.8	22	18.4 ± 0.4 **	67.9 ± 1.2	14
Lactation	A	1 - 4	34.6 ± 1.9 **	110.8 ± 5.4	19	30.9 ± 1.2	106.6 ± 4.1	20	26.1 ± 1.7 **	102.1 ± 6.7	13
Gestation	B	0 - 3	20.3 ± 0.6 **	66.7 ± 1.7	18	18.9 ± 0.3	66.1 ± 0.8	21	18.4 ± 1.2 **	69.2 ± 3.8	14
		3 - 6	20.9 ± 0.4 **	66.5 ± 0.9	18	19.2 ± 0.3 **	65.1 ± 0.5	21	17.8 ± 0.4 **	65.2 ± 1.1	14
		6 - 9	22.4 ± 0.5 **	69.4 ± 1.4	18	19.7 ± 0.4 **	65.4 ± 0.8 *	21	19.1 ± 0.8 **	68.2 ± 2.2	14
		9 - 12	21.8 ± 0.4 **	65.1 ± 0.9	18	19.6 ± 0.3 **	62.8 ± 0.7	21	18.7 ± 0.5 **	64.6 ± 1.1	14
		12 - 15	22.5 ± 0.6 **	64.6 ± 1.3	18	20.8 ± 0.3 *	64.3 ± 0.7	21	20.1 ± 0.8 **	66.5 ± 1.9	14
		15 - 18	23.7 ± 0.4 **	62.6 ± 0.8	18	22.3 ± 0.4 *	63.9 ± 0.7	21	19.9 ± 0.4 **	61.5 ± 1.2	14
		18 - 21	27.0 ± 0.4 **	63.0 ± 0.9 **	18	24.7 ± 0.5 **	63.2 ± 0.9	21	20.5 ± 0.6 **	57.0 ± 1.2 **	14
		0 - 21	22.7 ± 0.4 **	65.0 ± 0.8	18	20.7 ± 0.3 **	64.1 ± 0.5	21	19.2 ± 0.5 **	63.9 ± 1.2	14
Lactation	B	1 - 4	36.9 ± 1.6 *	107.3 ± 4.2	19	36.3 ± 2.2	113.5 ± 6.4	21	32.6 ± 2.6	112.8 ± 8.4	14
Gestation	C	0 - 3	20.6 ± 0.5 **	63.5 ± 1.7	19	18.8 ± 0.4 *	62.6 ± 1.0	22	18.4 ± 0.7 **	64.1 ± 2.4	14
		3 - 6	20.8 ± 0.4 **	62.5 ± 1.3	19	18.8 ± 0.4 **	61.0 ± 1.0	22	17.9 ± 0.3 **	60.8 ± 0.8	14
		6 - 9	22.4 ± 0.6 **	65.6 ± 2.0	19	19.3 ± 0.4 **	61.3 ± 1.0	22	19.3 ± 0.4 **	64.2 ± 1.1	14
		9 - 12	21.4 ± 0.3 **	60.8 ± 1.1	19	19.7 ± 0.3 **	60.6 ± 0.7	22	19.3 ± 0.5 **	62.0 ± 1.2	14
		12 - 15	23.1 ± 0.4 **	63.3 ± 1.2	19	21.3 ± 0.5 **	63.1 ± 0.9	22	20.8 ± 0.7 **	64.9 ± 1.9	14
		15 - 18	24.3 ± 0.6 **	62.4 ± 1.6	19	22.6 ± 0.4 *	63.2 ± 0.8	22	21.1 ± 0.5 **	61.8 ± 1.2	14
		18 - 21	28.5 ± 0.6 **	66.0 ± 1.5 **	19	25.9 ± 0.6 **	65.8 ± 1.1	22	22.2 ± 1.0 **	58.9 ± 2.1 *	14
		0 - 21	23.0 ± 0.3 **	63.4 ± 1.1	19	20.9 ± 0.4 **	62.5 ± 0.7	22	19.9 ± 0.4 **	62.1 ± 1.0	14

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 07/25/2018
Time Report Requested: 11:12:39
Lab: RTI

F1 Females: F1 Parental Females

Phase	Litter ID	Days	Treatment Groups (ppm)								
			0			750			2500		
			Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N	Wt (g/animal/day)	Wt (g/kg/animal/day)	N
Lactation	C	1 - 4	32.4 ± 2.3	89.1 ± 6.1 *	19	33.0 ± 2.1	98.2 ± 5.8	21	36.5 ± 3.3	119.0 ± 11.1	14
		4 - 7	39.6 ± 2.1	107.9 ± 5.6	17	39.3 ± 1.5	115.8 ± 4.5	20	35.8 ± 1.3	114.8 ± 4.3	14
		7 - 10	44.4 ± 2.2	119.5 ± 6.0	18	45.9 ± 1.8	132.7 ± 4.7	21	40.5 ± 2.3	126.1 ± 6.2	14
		10 - 13	47.1 ± 2.2	126.9 ± 6.7	18	50.2 ± 1.6	145.4 ± 4.5	21	44.8 ± 2.6	138.2 ± 7.8	14
		1 - 13	40.1 ± 2.1	109.1 ± 5.7	19	42.5 ± 1.6	124.2 ± 4.4	21	39.8 ± 1.9	125.5 ± 5.5	14

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I06: Mean Feed Consumption
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LEGEND

Reported as the mean \pm SEM. N is the number of animals, number of cages for group housed adult animals or number of litters.

Jonckheere's trend test p-value is reported across all dose groups. Multiple comparison of treatment groups to control are carried out using Shirley's method when a significant trend is indicated by the Jonckheere test, or Dunn's method in the absence of trend. This analysis was carried out on the data for the F0 animals and for the All F1 Females and All F1 Males selections.

Consumption data for group housed adult animals (All F1 Males and All F1 Females selections) is analyzed with cage as the statistical unit.

For non-normal F1 endpoints, the bootstrapped Jonckheere trend test was used; pairwise comparisons were done using the Datta-Satten modified Wilcoxon test with the Hommel adjustment for multiple comparisons. This analysis was used for the F1 data except for the All F1 Females and All F1 Males selections.

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 $P \leq 0.01$

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

Consumption is not reported for animals during mating

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

Consumption data is not analyzed for lactation periods that end after LD 14 due to possible consumption by pups.

D Litter is crossover mating of dosed F0 Females with naive F0 Males

NR not recorded

**** END OF REPORT ****