

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

I04: Mean Body Weight Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 01/16/2019
Time Report Requested: 06:59:53
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 Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0		317.4 ± 1.6	23	317.6 ± 1.3	100.1	23	317.0 ± 1.2	99.9	23	315.6 ± 1.4	99.4	23
SD3		330.1 ± 1.5 **	23	325.2 ± 1.6 *	98.5	23	309.2 ± 1.4 **	93.7	23	293.1 ± 1.5 **	88.8	23
SD7		342.6 ± 1.7 **	23	335.9 ± 1.9 *	98.1	23	318.0 ± 2.3 **	92.8	23	284.6 ± 2.2 **	83.1	23
SD10		353.4 ± 1.9 **	23	345.6 ± 2.2 *	97.8	23	326.2 ± 2.3 **	92.3	23	295.4 ± 2.3 **	83.6	23
SD14		360.6 ± 2.0 **	23	352.5 ± 2.5 *	97.8	23	336.2 ± 2.7 **	93.2	23	310.1 ± 2.4 **	86.0	23
SD17		364.5 ± 1.9 **	23	356.4 ± 2.3 *	97.8	23	338.3 ± 3.1 **	92.8	22	315.0 ± 2.1 **	86.4	23
SD21		370.2 ± 1.7 **	23	362.6 ± 2.6 *	97.9	23	343.3 ± 3.2 **	92.7	22	323.8 ± 2.1 **	87.5	23
SD24		376.8 ± 1.8 **	23	369.6 ± 2.7 *	98.1	23	350.2 ± 3.4 **	92.9	22	329.9 ± 2.3 **	87.5	23
SD28		386.4 ± 1.8 **	23	376.0 ± 3.2 **	97.3	23	357.7 ± 3.4 **	92.6	22	336.1 ± 2.4 **	87.0	23
SD31		390.4 ± 2.0 **	23	380.0 ± 3.3 **	97.3	23	365.1 ± 3.3 **	93.5	22	342.2 ± 2.5 **	87.6	23
SD35		402.4 ± 2.1 **	23	387.9 ± 3.2 **	96.4	23	371.2 ± 3.8 **	92.2	22	349.7 ± 2.4 **	86.9	23
SD38		409.8 ± 2.4 **	23	394.3 ± 3.3 **	96.2	23	375.8 ± 3.8 **	91.7	22	355.1 ± 2.6 **	86.7	23
SD42		415.5 ± 2.4 **	23	399.4 ± 3.4 **	96.1	23	382.5 ± 4.0 **	92.0	22	363.0 ± 2.8 **	87.4	23
SD45		424.2 ± 2.6 **	23	407.1 ± 3.5 **	96.0	23	386.3 ± 3.8 **	91.1	22	367.9 ± 2.7 **	86.7	23
SD49		427.0 ± 2.7 **	23	410.3 ± 3.7 **	96.1	23	392.4 ± 4.2 **	91.9	22	371.5 ± 2.8 **	87.0	23
SD52		432.2 ± 2.7 **	23	415.3 ± 3.8 **	96.1	23	392.8 ± 4.2 **	90.9	22	374.0 ± 2.9 **	86.5	23
SD56		437.6 ± 2.9 **	23	419.6 ± 3.7 **	95.9	23	396.5 ± 4.5 **	90.6	22	378.3 ± 3.0 **	86.5	23
SD59		434.7 ± 2.7 **	23	415.4 ± 4.4 **	95.6	23	393.3 ± 4.6 **	90.5	20	377.8 ± 3.4 **	86.9	21
SD63		436.9 ± 2.7 **	23	417.7 ± 3.9 **	95.6	23	395.5 ± 4.8 **	90.5	20	379.9 ± 3.3 **	87.0	21
SD66		442.2 ± 2.9 **	23	421.8 ± 4.0 **	95.4	23	399.7 ± 4.6 **	90.4	20	384.0 ± 3.3 **	86.8	21
SD70		446.0 ± 3.0 **	23	423.8 ± 4.1 **	95.0	23	403.2 ± 4.8 **	90.4	20	388.5 ± 3.6 **	87.1	21
SD73		449.3 ± 3.0 **	23	427.8 ± 4.1 **	95.2	23	406.0 ± 4.9 **	90.4	20	392.0 ± 3.4 **	87.3	21
SD77		453.9 ± 2.9 **	23	431.4 ± 4.2 **	95.0	23	408.9 ± 5.0 **	90.1	20	394.7 ± 3.3 **	87.0	21
SD80		458.1 ± 2.9 **	23	435.2 ± 4.3 **	95.0	23	412.4 ± 5.1 **	90.0	20	398.4 ± 3.4 **	87.0	21
SD84		464.9 ± 3.2 **	23	440.4 ± 4.3 **	94.7	23	415.1 ± 5.4 **	89.3	20	400.0 ± 3.5 **	86.0	21
SD87		467.0 ± 3.1 **	23	443.9 ± 4.5 **	95.0	23	417.7 ± 5.5 **	89.5	20	405.1 ± 3.5 **	86.7	21
SD91		466.7 ± 3.1 **	23	445.8 ± 4.6 **	95.5	23	422.0 ± 5.7 **	90.4	20	410.1 ± 3.7 **	87.9	21
SD94		472.7 ± 3.5 **	23	450.7 ± 4.6 **	95.4	23	425.2 ± 5.7 **	90.0	20	410.3 ± 3.5 **	86.8	21
SD98		465.8 ± 3.5 **	23	443.9 ± 4.4 **	95.3	23	421.6 ± 5.9 **	90.5	20	413.9 ± 4.1 **	88.9	21
SD101		467.6 ± 3.7 **	23	446.4 ± 4.6 **	95.5	23	422.9 ± 5.6 **	90.4	20	417.2 ± 4.2 **	89.2	21
SD105		468.5 ± 3.8 **	23	448.5 ± 4.7 **	95.7	23	426.4 ± 5.9 **	91.0	20	419.0 ± 4.3 **	89.4	21

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Lab: RTI

F0 Males

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD108		474.2 ± 3.9 **	23	451.9 ± 4.6 **	95.3	23	430.1 ± 6.1 **	90.7	20	421.4 ± 4.3 **	88.9	21
SD112		477.7 ± 4.0 **	23	454.7 ± 4.7 **	95.2	23	432.0 ± 6.1 **	90.4	20	424.5 ± 4.2 **	88.9	21
SD115		481.3 ± 4.0 **	23	457.2 ± 4.9 **	95.0	23	433.9 ± 6.1 **	90.2	20	427.2 ± 4.2 **	88.8	21
SD119		482.9 ± 4.0 **	23	459.3 ± 4.7 **	95.1	23	437.6 ± 6.1 **	90.6	20	429.3 ± 4.3 **	88.9	21
SD122		486.8 ± 3.9 **	23	462.2 ± 4.8 **	95.0	23	439.0 ± 6.1 **	90.2	20	429.9 ± 4.3 **	88.3	21
SD126		479.7 ± 3.7 **	23	463.1 ± 4.7 *	96.5	23	447.0 ± 6.0 **	93.2	20	450.6 ± 4.6 **	93.9	21
SD129		481.1 ± 4.5 **	23	466.9 ± 4.8 *	97.1	23	445.5 ± 5.9 **	92.6	20	457.6 ± 5.0 **	95.1	21
SD133		481.2 ± 3.5 **	23	466.1 ± 4.6 *	96.8	23	440.4 ± 6.1 **	91.5	20	445.1 ± 5.1 **	92.5	21
SD136		486.8 ± 3.7 **	23	467.3 ± 4.8 **	96.0	23	440.1 ± 6.3 **	90.4	20	437.0 ± 4.4 **	89.8	21
SD140		484.1 ± 3.7 **	23	464.5 ± 4.8 **	96.0	23	439.7 ± 6.9 **	90.8	20	432.4 ± 5.1 **	89.3	21
SD143		488.7 ± 3.7 **	23	466.3 ± 5.1 **	95.4	23	440.5 ± 6.9 **	90.1	20	434.0 ± 4.7 **	88.8	21
SD147		488.0 ± 3.6 **	23	464.4 ± 5.2 **	95.2	23	442.5 ± 7.3 **	90.7	20	433.7 ± 4.9 **	88.9	21
SD150		490.6 ± 3.9 **	23	465.8 ± 5.1 **	94.9	23	445.0 ± 7.4 **	90.7	20	437.2 ± 5.1 **	89.1	21
SD154		488.4 ± 3.5 **	23	465.2 ± 5.3 **	95.2	23	446.4 ± 7.3 **	91.4	20	437.8 ± 5.0 **	89.6	21
SD157		493.4 ± 3.7 **	23	467.8 ± 5.3 **	94.8	23	449.6 ± 7.5 **	91.1	20	441.9 ± 5.2 **	89.6	21
SD161		493.6 ± 3.9 **	23	465.4 ± 5.2 **	94.3	23	448.5 ± 7.5 **	90.9	20	443.7 ± 5.1 **	89.9	21
SD164		498.4 ± 4.0 **	23	470.6 ± 5.4 **	94.4	23	453.6 ± 7.4 **	91.0	20	446.9 ± 5.5 **	89.7	21
SD168		499.0 ± 4.1 **	23	472.7 ± 5.4 **	94.7	23	452.5 ± 7.8 **	90.7	20	449.6 ± 5.4 **	90.1	21
SD171		502.8 ± 4.0 **	23	474.9 ± 5.7 **	94.4	23	459.3 ± 7.7 **	91.3	20	452.9 ± 5.2 **	90.1	21
SD175		502.9 ± 4.3 **	23	475.8 ± 5.8 **	94.6	23	459.6 ± 7.6 **	91.4	20	454.2 ± 5.1 **	90.3	21

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F0 Males: F0 Naive Males

Phase Day	Litter ID	Treatment Groups (ppm)				
		0 NM		2500 NM		
		Wt (g)	N	Wt (g)	% of CNTL	N
SD0		354.9 ± 2.5	22	354.1 ± 2.3	99.8	19
SD15		380.3 ± 3.6	22	374.0 ± 2.9	98.3	19

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Lab: RTI

F0 Females

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0		218.2 ± 1.7	23	216.8 ± 2.0	99.4	23	220.0 ± 2.0	100.8	23	218.0 ± 1.8	99.9	23
SD3		223.3 ± 2.6 **	23	215.6 ± 1.6 **	96.6	23	208.9 ± 1.8 **	93.5	23	200.5 ± 1.3 **	89.8	23
SD7		224.4 ± 2.7 **	23	216.6 ± 1.8 **	96.5	23	209.3 ± 1.8 **	93.3	23	199.9 ± 1.7 **	89.1	23
SD10		225.2 ± 2.0 **	23	219.9 ± 1.9	97.7	23	213.6 ± 1.8 **	94.8	23	208.1 ± 1.8 **	92.4	23
SD14		228.7 ± 2.0 **	23	221.1 ± 2.1 **	96.7	23	216.8 ± 1.7 **	94.8	22	215.8 ± 1.9 **	94.3	23
SD164		318.7 ± 4.0 **	22	306.3 ± 2.3 **	96.1	23	289.6 ± 4.2 **	90.9	19	268.6 ± 3.4 **	84.3	13
SD168		317.0 ± 3.9 **	22	302.6 ± 2.3 **	95.5	23	287.8 ± 4.2 **	90.8	19	268.4 ± 3.6 **	84.7	13
SD171		316.7 ± 3.9 **	22	303.1 ± 2.5 **	95.7	23	285.4 ± 4.2 **	90.1	19	269.7 ± 3.9 **	85.2	12
SD175		314.1 ± 3.9 **	22	299.6 ± 2.6 **	95.4	23	285.1 ± 3.8 **	90.8	19	272.5 ± 3.4 **	86.8	12
SD178		313.3 ± 4.0 **	22	298.5 ± 2.5 **	95.3	23	283.7 ± 4.0 **	90.6	19	273.0 ± 4.2 **	87.1	12
SD182		313.2 ± 4.1 **	22	297.4 ± 2.9 **	95.0	23	282.5 ± 3.7 **	90.2	19	272.7 ± 4.4 **	87.1	12
SD217		341.1 ± 5.2 **	22	291.8 ± 2.4 **	85.5	22	298.0 ± 5.1 **	87.4	19	274.7 ± 3.7 **	80.5	12

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F0 Females

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD0	A	233.2 ± 2.3 **	21	224.5 ± 2.1 **	96.3	21	220.4 ± 2.0 **	94.5	16	217.5 ± 4.2 **	93.3	6
GD1	A	238.2 ± 2.4 **	21	230.1 ± 2.1 *	96.6	21	223.4 ± 2.1 **	93.8	16	216.4 ± 5.3 **	90.9	6
GD2	A	244.5 ± 2.5 **	21	235.3 ± 2.0 **	96.2	21	226.8 ± 1.8 **	92.8	16	219.6 ± 6.8 **	89.8	6
GD3	A	247.8 ± 2.6 **	21	240.1 ± 2.0 *	96.9	21	231.6 ± 2.0 **	93.5	16	220.9 ± 7.9 **	89.1	6
GD4	A	251.8 ± 2.4 **	21	243.5 ± 1.9 **	96.7	21	233.9 ± 2.0 **	92.9	16	227.7 ± 5.0 **	90.5	6
GD5	A	256.0 ± 2.5 **	21	247.2 ± 1.9 **	96.6	21	236.0 ± 1.9 **	92.2	16	230.4 ± 5.1 **	90.0	6
GD6	A	258.9 ± 2.4 **	21	249.5 ± 1.9 **	96.4	21	240.1 ± 2.0 **	92.7	16	232.9 ± 4.4 **	89.9	6
GD7	A	262.6 ± 2.7 **	21	253.1 ± 1.9 **	96.4	21	242.0 ± 2.0 **	92.2	16	236.9 ± 4.7 **	90.2	6
GD8	A	265.7 ± 2.5 **	21	255.9 ± 1.9 **	96.3	21	242.9 ± 2.6 **	91.4	16	239.7 ± 4.9 **	90.2	6
GD9	A	269.7 ± 2.6 **	21	259.6 ± 2.1 **	96.2	21	244.3 ± 3.1 **	90.6	16	241.5 ± 5.5 **	89.5	6
GD10	A	274.7 ± 2.8 **	21	264.1 ± 2.2 **	96.1	21	250.2 ± 2.5 **	91.1	16	244.2 ± 5.3 **	88.9	6
GD11	A	279.6 ± 2.7 **	21	268.7 ± 2.0 **	96.1	21	254.8 ± 2.4 **	91.2	16	247.7 ± 6.2 **	88.6	6
GD12	A	282.7 ± 2.8 **	21	273.1 ± 2.1 **	96.6	21	258.4 ± 2.4 **	91.4	16	250.6 ± 5.1 **	88.6	6
GD13	A	288.0 ± 3.0 **	21	277.4 ± 2.1 **	96.3	21	262.4 ± 2.4 **	91.1	16	254.2 ± 6.4 **	88.3	6
GD14	A	293.5 ± 2.9 **	21	282.1 ± 2.2 **	96.1	21	268.3 ± 2.6 **	91.4	16	259.9 ± 7.0 **	88.5	6
GD15	A	302.1 ± 3.1 **	21	288.6 ± 2.4 **	95.5	21	272.8 ± 2.4 **	90.3	16	268.8 ± 7.0 **	89.0	6
GD16	A	313.3 ± 3.1 **	21	298.2 ± 3.0 **	95.2	21	281.0 ± 2.7 **	89.7	16	276.9 ± 6.1 **	88.4	6
GD17	A	327.6 ± 3.4 **	21	312.2 ± 3.0 **	95.3	21	290.8 ± 3.0 **	88.8	16	287.1 ± 6.2 **	87.6	6
GD18	A	343.8 ± 3.7 **	21	325.6 ± 3.4 **	94.7	21	301.6 ± 3.3 **	87.7	16	298.2 ± 6.2 **	86.7	6
GD19	A	360.0 ± 3.9 **	21	340.8 ± 3.9 **	94.7	21	313.6 ± 3.4 **	87.1	16	306.3 ± 6.3 **	85.1	6
GD20	A	377.1 ± 4.0 **	21	356.3 ± 4.1 **	94.5	21	326.2 ± 4.0 **	86.5	16	311.7 ± 8.1 **	82.6	6
GD21	A	392.0 ± 4.0 **	21	370.7 ± 5.0 **	94.6	21	336.5 ± 4.0 **	85.8	16	319.4 ± 9.1 **	81.5	6
LD1	A	287.5 ± 3.0 **	22	273.0 ± 2.7 **	95.0	22	252.6 ± 2.5 **	87.9	15	236.6 ± 14.1	82.3	2
LD4	A	298.6 ± 2.8 **	22	283.0 ± 2.7 **	94.8	22	259.4 ± 2.1 **	86.9	15	206.7	69.2	1

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F0 Females

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD0	B	279.2 ± 3.2 **	18	266.6 ± 2.2 **	95.5	20	251.1 ± 2.4 **	89.9	16	237.9 ± 4.8 **	85.2	6
GD1	B	283.6 ± 2.9 **	18	271.8 ± 2.1 **	95.8	20	252.3 ± 2.2 **	89.0	16	237.8 ± 4.6 **	83.9	6
GD2	B	287.8 ± 2.5 **	18	275.4 ± 2.1 **	95.7	20	255.7 ± 1.9 **	88.9	16	241.0 ± 5.0 **	83.8	6
GD3	B	291.0 ± 2.8 **	18	278.5 ± 2.3 **	95.7	20	260.1 ± 1.9 **	89.4	16	247.7 ± 3.9 **	85.1	6
GD4	B	294.0 ± 2.8 **	18	280.7 ± 1.9 **	95.5	20	261.5 ± 1.8 **	89.0	16	249.4 ± 4.7 **	84.8	6
GD5	B	296.6 ± 2.8 **	18	282.1 ± 2.0 **	95.1	20	263.1 ± 1.9 **	88.7	16	250.3 ± 4.3 **	84.4	6
GD6	B	298.9 ± 2.9 **	18	284.4 ± 1.9 **	95.2	20	264.9 ± 1.7 **	88.6	16	252.8 ± 4.7 **	84.6	6
GD7	B	301.9 ± 3.0 **	18	287.4 ± 1.9 **	95.2	20	266.9 ± 1.8 **	88.4	16	253.6 ± 3.9 **	84.0	6
GD8	B	302.7 ± 3.0 **	18	288.9 ± 1.9 **	95.4	20	269.8 ± 1.8 **	89.1	16	257.2 ± 4.2 **	85.0	6
GD9	B	306.7 ± 3.1 **	18	290.9 ± 1.9 **	94.8	20	271.2 ± 1.7 **	88.4	16	259.8 ± 3.6 **	84.7	6
GD10	B	310.6 ± 2.9 **	18	296.0 ± 2.0 **	95.3	20	275.3 ± 2.0 **	88.6	16	260.1 ± 4.1 **	83.8	6
GD11	B	313.9 ± 3.2 **	18	298.9 ± 2.0 **	95.2	20	278.6 ± 2.0 **	88.7	16	262.8 ± 4.3 **	83.7	6
GD12	B	316.8 ± 3.1 **	18	302.9 ± 2.0 **	95.6	20	281.6 ± 1.8 **	88.9	16	267.8 ± 4.7 **	84.5	6
GD13	B	321.2 ± 3.1 **	18	307.4 ± 1.8 **	95.7	20	285.2 ± 2.0 **	88.8	16	270.5 ± 3.9 **	84.2	6
GD14	B	326.6 ± 3.1 **	18	312.2 ± 2.1 **	95.6	20	290.0 ± 2.1 **	88.8	16	275.2 ± 4.6 **	84.3	6
GD15	B	334.0 ± 3.3 **	18	318.4 ± 2.1 **	95.3	20	293.8 ± 1.9 **	88.0	16	277.3 ± 4.4 **	83.0	6
GD16	B	344.7 ± 3.3 **	18	327.6 ± 2.4 **	95.1	20	300.7 ± 1.9 **	87.2	16	282.5 ± 5.6 **	82.0	6
GD17	B	357.9 ± 3.8 **	18	340.4 ± 2.5 **	95.1	20	309.4 ± 1.9 **	86.4	16	290.9 ± 6.6 **	81.3	6
GD18	B	373.0 ± 4.1 **	18	356.4 ± 2.8 **	95.5	20	320.1 ± 2.3 **	85.8	16	300.6 ± 8.5 **	80.6	6
GD19	B	390.6 ± 4.5 **	18	372.3 ± 3.5 **	95.3	20	333.5 ± 2.5 **	85.4	16	308.9 ± 9.2 **	79.1	6
GD20	B	406.3 ± 5.2 **	18	389.1 ± 4.0 **	95.8	20	343.7 ± 3.1 **	84.6	16	312.5 ± 9.9 **	76.9	6
GD21	B	421.8 ± 5.1 **	18	403.2 ± 4.3 **	95.6	20	355.5 ± 3.7 **	84.3	16	317.3 ± 10.5 **	75.2	6
LD1	B	315.3 ± 3.8 **	19	297.7 ± 2.2 **	94.4	23	278.3 ± 2.3 **	88.2	17	254.2 ± 7.2 **	80.6	4
LD4	B	328.5 ± 3.6 **	19	306.3 ± 2.8 **	93.3	23	285.3 ± 2.1 **	86.9	17	247.7	75.4	1

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F0 Females

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD0	C	300.3 ± 3.6 **	17	285.5 ± 2.3 **	95.1	20	273.7 ± 2.3 **	91.1	15	NR		
GD1	C	304.4 ± 3.5 **	17	288.8 ± 2.3 **	94.9	20	274.3 ± 2.5 **	90.1	15	NR		
GD2	C	307.1 ± 3.4 **	17	293.0 ± 2.2 **	95.4	20	277.4 ± 2.0 **	90.4	15	NR		
GD3	C	310.1 ± 3.4 **	17	296.2 ± 2.2 **	95.5	20	281.1 ± 2.2 **	90.7	15	NR		
GD4	C	312.9 ± 3.4 **	17	297.9 ± 2.3 **	95.2	20	282.9 ± 2.2 **	90.4	15	NR		
GD5	C	313.8 ± 3.5 **	17	299.2 ± 2.2 **	95.3	20	282.5 ± 2.2 **	90.0	15	NR		
GD6	C	314.7 ± 3.4 **	17	300.1 ± 2.4 **	95.4	20	284.0 ± 2.3 **	90.2	15	NR		
GD7	C	318.4 ± 3.5 **	17	303.4 ± 2.1 **	95.3	20	285.9 ± 2.1 **	89.8	15	NR		
GD8	C	319.3 ± 3.5 **	17	304.0 ± 2.3 **	95.2	20	287.0 ± 2.2 **	89.9	15	NR		
GD9	C	323.0 ± 3.6 **	17	307.5 ± 2.4 **	95.2	20	289.8 ± 2.2 **	89.7	15	NR		
GD10	C	327.1 ± 3.6 **	17	311.2 ± 2.3 **	95.1	20	293.9 ± 2.3 **	89.9	15	NR		
GD11	C	331.9 ± 3.4 **	17	316.0 ± 2.1 **	95.2	20	297.5 ± 2.3 **	89.6	15	NR		
GD12	C	333.8 ± 3.5 **	17	312.9 ± 5.3 **	93.7	20	300.0 ± 2.3 **	89.9	15	NR		
GD13	C	338.8 ± 3.6 **	17	323.9 ± 2.3 **	95.6	20	303.6 ± 2.4 **	89.6	15	NR		
GD14	C	344.0 ± 3.4 **	17	328.0 ± 2.6 **	95.3	20	308.2 ± 2.5 **	89.6	15	NR		
GD15	C	351.0 ± 3.5 **	17	334.4 ± 2.5 **	95.3	20	311.7 ± 2.7 **	88.8	15	NR		
GD16	C	360.3 ± 3.4 **	17	343.3 ± 2.6 **	95.3	20	319.7 ± 2.8 **	88.7	15	NR		
GD17	C	374.3 ± 3.7 **	17	354.7 ± 2.8 **	94.8	20	329.3 ± 3.6 **	88.0	15	NR		
GD18	C	390.6 ± 4.1 **	17	369.1 ± 3.2 **	94.5	20	341.8 ± 4.7 **	87.5	15	NR		
GD19	C	406.3 ± 4.4 **	17	384.2 ± 3.5 **	94.6	20	354.6 ± 5.4 **	87.3	15	NR		
GD20	C	423.6 ± 4.9 **	17	399.4 ± 4.0 **	94.3	20	366.2 ± 5.7 **	86.5	15	NR		
GD21	C	436.1 ± 5.3 **	17	412.2 ± 4.3 **	94.5	20	373.7 ± 6.1 **	85.7	15	NR		

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

I04: Mean Body Weight Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 01/16/2019
Time Report Requested: 06:59:53
Lab: RTI

F0 Females

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
LD1	C	333.7 ± 3.2 **	19	316.7 ± 3.1 **	94.9	22	293.2 ± 2.5 **	87.9	15	NR		
LD4	C	342.1 ± 3.2 **	19	325.4 ± 3.1 **	95.1	22	297.9 ± 3.2 **	87.1	15	NR		
LD7	C	351.0 ± 3.5 **	19	330.6 ± 3.2 **	94.2	22	303.2 ± 4.4 **	86.4	15	NR		
LD10	C	355.9 ± 3.2 **	19	334.8 ± 2.8 **	94.1	22	312.1 ± 2.6 **	87.7	15	NR		
LD13	C	353.2 ± 3.3 **	19	334.3 ± 3.5 **	94.6	22	314.3 ± 2.3 **	89.0	15	NR		
LD16	C	351.9 ± 4.2 **	19	327.9 ± 4.3 **	93.2	22	310.0 ± 2.4 **	88.1	15	NR		
LD19	C	344.1 ± 4.6 **	19	323.5 ± 4.2 **	94.0	22	307.1 ± 3.0 **	89.2	15	NR		
LD21	C	336.3 ± 5.0 **	19	317.0 ± 4.0 **	94.2	22	303.7 ± 2.7 **	90.3	15	NR		
LD25	C	316.2 ± 5.7 **	19	302.3 ± 4.5 *	95.6	22	297.8 ± 3.3 *	94.2	15	NR		
LD28	C	316.4 ± 4.7 **	19	300.7 ± 4.2 *	95.1	22	293.7 ± 3.8 **	92.9	15	NR		

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F0 Females

Treatment Groups (ppm)

Phase Day	Litter ID	0		750			2500			5000		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD0	D	304.3 ± 2.5 **	11	NR			289.8 ± 4.9 *	95.2	9	NR		
GD1	D	308.4 ± 2.9 **	11	NR			285.1 ± 4.1 **	92.4	9	NR		
GD2	D	314.1 ± 3.0 **	11	NR			288.5 ± 4.1 **	91.8	9	NR		
GD3	D	318.2 ± 3.6 **	11	NR			293.5 ± 4.4 **	92.2	9	NR		
GD4	D	322.4 ± 3.5 **	11	NR			294.4 ± 4.4 **	91.3	9	NR		
GD5	D	323.9 ± 3.6 **	11	NR			295.4 ± 4.5 **	91.2	9	NR		
GD6	D	325.5 ± 3.9 **	11	NR			297.1 ± 4.9 **	91.3	9	NR		
GD7	D	329.7 ± 3.6 **	11	NR			299.8 ± 4.7 **	90.9	9	NR		
GD8	D	332.9 ± 4.1 **	11	NR			301.2 ± 4.8 **	90.5	9	NR		
GD9	D	336.1 ± 4.1 **	11	NR			305.0 ± 4.7 **	90.8	9	NR		
GD10	D	340.8 ± 4.4 **	11	NR			309.6 ± 5.7 **	90.8	9	NR		
GD11	D	345.4 ± 4.3 **	11	NR			313.6 ± 5.3 **	90.8	9	NR		
GD12	D	347.7 ± 4.1 **	11	NR			316.9 ± 5.8 **	91.1	9	NR		
GD13	D	351.9 ± 4.6 **	11	NR			320.9 ± 6.0 **	91.2	9	NR		
GD14	D	357.0 ± 5.3 **	11	NR			326.7 ± 6.7 **	91.5	9	NR		
GD15	D	363.9 ± 5.5 **	11	NR			330.8 ± 6.3 **	90.9	9	NR		
GD16	D	372.5 ± 6.2 **	11	NR			338.5 ± 7.3 **	90.9	9	NR		
GD17	D	385.3 ± 7.8 **	11	NR			352.0 ± 8.3 **	91.4	9	NR		
GD18	D	401.3 ± 8.9 *	11	NR			364.2 ± 9.9 *	90.8	9	NR		
GD19	D	416.5 ± 11.1	11	NR			379.6 ± 11.4 *	91.1	9	NR		
GD20	D	430.5 ± 12.5	11	NR			392.1 ± 12.9 *	91.1	9	NR		
GD21	D	439.5 ± 13.3	11	NR			403.5 ± 14.1	91.8	9	NR		
LD1	D	353.8 ± 5.0 **	12	NR			310.5 ± 6.7 **	87.8	9	NR		
LD4	D	363.9 ± 4.6 **	12	NR			313.6 ± 5.1 **	86.2	9	NR		

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F0 Females: F0 Naive Females

Phase Day	Litter ID	Treatment Groups (ppm)							
		0 NF		2500 NF			5000 NF		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0		226.4 ± 1.9	23	227.2 ± 1.7	100.4	20	226.5 ± 1.8	100.1	21
GD0	E	229.2 ± 3.0	16	228.5 ± 2.2	99.7	15	230.8 ± 3.5	100.7	6
GD1	E	233.3 ± 2.7	16	232.4 ± 1.9	99.6	15	233.3 ± 2.8	100.0	6
GD2	E	238.7 ± 2.6	16	238.6 ± 2.0	99.9	15	240.1 ± 3.6	100.6	6
GD3	E	243.4 ± 2.8	16	242.7 ± 1.9	99.7	15	244.4 ± 3.3	100.4	6
GD4	E	248.0 ± 2.9	16	247.8 ± 2.0	99.9	15	247.7 ± 3.5	99.9	6
GD5	E	252.1 ± 2.8	16	252.2 ± 1.7	100.0	15	252.3 ± 3.9	100.1	6
GD6	E	255.3 ± 2.6	16	255.7 ± 1.9	100.1	15	254.0 ± 3.4	99.5	6
GD7	E	258.6 ± 2.8	16	258.4 ± 2.0	100.0	15	256.1 ± 3.7	99.1	6
GD8	E	262.6 ± 3.0	16	262.1 ± 2.0	99.8	15	259.7 ± 4.3	98.9	6
GD9	E	267.9 ± 2.7	16	267.2 ± 1.9	99.7	15	265.7 ± 4.1	99.2	6
GD10	E	272.7 ± 2.9	16	272.0 ± 1.9	99.7	15	269.2 ± 4.7	98.7	6
GD11	E	278.5 ± 3.2	16	276.4 ± 2.1	99.3	15	274.6 ± 4.2	98.6	6
GD12	E	281.6 ± 3.0	16	280.3 ± 1.8	99.5	15	278.7 ± 4.7	99.0	6
GD13	E	287.4 ± 2.4	16	285.1 ± 2.1	99.2	15	282.4 ± 4.0	98.2	6
GD14	E	293.4 ± 2.6	16	290.1 ± 2.4	98.9	15	286.6 ± 4.8	97.7	6
GD15	E	301.0 ± 3.0	16	296.6 ± 2.5	98.5	15	294.2 ± 5.7	97.8	6
GD16	E	312.4 ± 3.0	16	306.5 ± 2.6	98.1	15	304.7 ± 6.3	97.5	6
GD17	E	325.3 ± 3.7	16	318.2 ± 3.9	97.8	15	314.7 ± 8.0	96.8	6
GD18	E	339.3 ± 4.1	16	330.4 ± 4.4	97.4	15	328.2 ± 8.9	96.7	6
GD19	E	355.9 ± 4.8	16	344.7 ± 5.0	96.9	15	342.6 ± 10.5	96.3	6
GD20	E	372.8 ± 4.6	16	361.4 ± 6.3	96.9	15	357.2 ± 11.8	95.8	6
GD21	E	388.1 ± 4.6	16	374.8 ± 7.2	96.6	15	369.2 ± 13.6	95.1	6
LD1	E	287.5 ± 3.1	16	283.8 ± 2.6	98.7	15	282.8 ± 3.6	98.3	6
LD4	E	297.9 ± 3.1	16	297.2 ± 3.0	99.8	15	295.4 ± 3.8	99.2	6

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

I04: Mean Body Weight Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 01/16/2019
Time Report Requested: 06:59:53
Lab: RTI

F1 Males: All F1 Males

Phase Day	Litter ID	Treatment Groups (ppm)								
		0		750			2500			
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	
PND28		84.5 ± 1.7 **	89	79.6 ± 1.6	94.3	100	72.2 ± 2.9 **	85.4	60	
PND35		132.8 ± 2.1 **	89	125.2 ± 2.1 *	94.3	100	112.7 ± 3.4 **	84.9	60	
PND42		184.4 ± 2.7 **	89	174.6 ± 2.4 *	94.7	100	157.7 ± 4.1 **	85.5	60	
PND49		236.8 ± 3.3 **	89	226.3 ± 2.7 *	95.6	100	202.5 ± 4.7 **	85.5	60	
PND56		281.0 ± 3.7 **	89	271.3 ± 3.0	96.5	100	244.9 ± 5.2 **	87.1	60	
PND63		314.8 ± 4.3 **	89	307.1 ± 3.4	97.6	100	280.6 ± 5.6 **	89.1	60	
PND70		339.5 ± 4.6 **	89	332.5 ± 3.5	97.9	100	306.0 ± 5.4 **	90.1	60	
PND77		359.9 ± 5.3 **	89	352.6 ± 3.8	98.0	100	325.1 ± 6.1 **	90.3	60	
PND84		378.0 ± 5.4 **	89	369.7 ± 4.0	97.8	100	339.7 ± 6.1 **	89.9	60	
PND91		391.8 ± 6.1 **	89	383.3 ± 4.1	97.8	100	350.4 ± 6.6 **	89.4	60	

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

I04: Mean Body Weight Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 01/16/2019
Time Report Requested: 06:59:53
Lab: RTI

F1 Females: All F1 Females

Phase Day	Litter ID	Treatment Groups (ppm)								
		0		750			2500			
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	
PND28		76.2 ± 1.7 **	96	70.9 ± 1.5 *	93.0	111	64.0 ± 2.3 **	84.0	67	
PND35		112.9 ± 1.8 **	90	106.3 ± 1.7 *	94.1	108	96.2 ± 2.4 **	85.2	67	
PND42		143.8 ± 2.1 **	87	137.9 ± 1.7 *	95.9	102	127.4 ± 2.3 **	88.6	67	
PND49		165.2 ± 2.3 **	87	162.0 ± 2.0	98.1	102	151.5 ± 2.1 **	91.7	67	
PND56		185.9 ± 2.7 **	87	181.6 ± 2.1	97.7	102	170.4 ± 2.4 **	91.7	67	
PND63		203.2 ± 3.4 **	87	197.1 ± 1.8	97.0	102	184.8 ± 2.5 **	90.9	67	
PND70		216.0 ± 3.2 **	87	206.4 ± 2.3 *	95.6	102	195.2 ± 2.3 **	90.4	67	
PND77		225.3 ± 3.7 **	87	216.4 ± 2.2 *	96.1	102	204.4 ± 2.6 **	90.7	67	
PND84		234.7 ± 3.5 **	87	225.9 ± 2.2 *	96.2	102	212.6 ± 2.5 **	90.6	67	
PND91		242.7 ± 3.7 **	87	231.9 ± 2.3 *	95.5	102	217.5 ± 2.6 **	89.6	67	

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F1 Males: F1 Parental Males

Phase Day	Litter ID	Treatment Groups (ppm)								
		0			750			2500		
		Wt (g)	N		Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
PND98		400.5 ± 7.2 **	40		394.6 ± 5.0	98.5	44	363.2 ± 7.5 **	90.7	40
PND105		411.8 ± 7.3 **	40		405.5 ± 5.2	98.5	44	370.6 ± 7.6 **	90.0	40
PND112		417.5 ± 7.1 **	40		410.3 ± 5.2	98.3	44	376.5 ± 7.8 **	90.2	40
PND119		426.4 ± 7.3 **	40		420.2 ± 5.4	98.6	44	386.0 ± 7.9 **	90.5	40
PND126		434.2 ± 7.1 **	40		426.6 ± 5.3	98.2	44	392.0 ± 8.0 **	90.3	40
PND133		443.6 ± 7.4 **	40		434.8 ± 5.4	98.0	44	400.3 ± 8.6 **	90.2	40
PND140		451.2 ± 7.2 **	40		441.2 ± 5.4	97.8	44	404.4 ± 8.6 **	89.6	40
PND147		456.2 ± 7.3 **	40		445.4 ± 5.5	97.6	44	409.5 ± 8.9 **	89.8	40
PND154		455.0 ± 7.1 **	40		445.2 ± 5.5	97.8	44	409.4 ± 8.7 **	90.0	40
PND161		460.1 ± 7.3 **	40		451.9 ± 5.7	98.2	44	414.8 ± 9.0 **	90.1	40
PND168		466.3 ± 7.0 **	40		457.1 ± 5.9	98.0	44	421.2 ± 9.3 **	90.3	40
PND175		471.2 ± 7.0 **	40		460.3 ± 6.1	97.7	44	426.2 ± 9.7 **	90.5	40
PND182		476.5 ± 7.2 **	40		464.6 ± 6.2	97.5	44	429.5 ± 9.9 **	90.1	40
PND189		482.1 ± 7.0 **	40		470.1 ± 6.3	97.5	44	434.1 ± 9.8 **	90.0	39
PND196		486.0 ± 7.5 **	40		473.0 ± 6.3	97.3	44	434.3 ± 10.4 **	89.4	39
PND203		483.2 ± 7.1 **	40		472.6 ± 6.5	97.8	44	432.7 ± 10.0 **	89.5	39
PND210		483.9 ± 6.8 **	40		475.2 ± 6.8	98.2	44	435.8 ± 10.0 **	90.1	39
PND217		494.6 ± 7.6 **	40		482.2 ± 6.3	97.5	44	440.3 ± 9.8 **	89.0	39

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F1 Females: F1 Parental Females

Phase Day	Litter ID	Treatment Groups (ppm)								
		0			750			2500		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	
PND98		251.0 ± 4.7 **	40	237.0 ± 3.4 *	94.4	44	223.0 ± 2.8 **	88.8	40	
PND105		259.3 ± 4.8 **	38	242.1 ± 3.5 **	93.4	44	227.2 ± 2.8 **	87.6	40	
GD0	A	256.5 ± 4.4 **	33	243.4 ± 3.8 *	94.9	33	227.3 ± 3.3 **	88.6	30	
GD1	A	262.3 ± 4.4 **	33	248.6 ± 3.8 *	94.8	33	230.4 ± 3.0 **	87.8	30	
GD2	A	267.5 ± 4.2 **	33	253.9 ± 3.7 *	94.9	33	236.6 ± 3.1 **	88.4	30	
GD3	A	272.3 ± 4.2 **	33	257.6 ± 3.9 *	94.6	33	239.5 ± 3.2 **	88.0	30	
GD4	A	275.7 ± 4.3 **	33	260.8 ± 3.6 **	94.6	33	242.8 ± 3.2 **	88.1	30	
GD5	A	280.9 ± 4.2 **	33	264.5 ± 3.8 **	94.2	33	245.6 ± 3.1 **	87.5	30	
GD6	A	282.1 ± 4.5 **	33	266.6 ± 3.7 **	94.5	33	247.3 ± 3.2 **	87.7	30	
GD7	A	285.9 ± 4.3 **	33	269.5 ± 3.7 **	94.3	33	249.8 ± 3.2 **	87.4	30	
GD8	A	287.6 ± 4.5 **	33	273.1 ± 3.8 *	95.0	33	252.6 ± 3.2 **	87.8	30	
GD9	A	292.4 ± 4.5 **	33	275.9 ± 3.8 **	94.4	33	255.6 ± 3.3 **	87.4	30	
GD10	A	297.6 ± 4.5 **	33	280.1 ± 3.6 **	94.1	33	258.7 ± 3.1 **	86.9	30	
GD11	A	302.0 ± 4.5 **	33	284.1 ± 3.6 **	94.1	33	262.8 ± 3.1 **	87.0	30	
GD12	A	304.9 ± 4.4 **	33	288.5 ± 3.8 **	94.6	33	265.9 ± 3.3 **	87.2	30	
GD13	A	309.2 ± 4.5 **	33	291.3 ± 3.7 **	94.2	33	270.4 ± 3.4 **	87.4	30	
GD14	A	314.4 ± 4.3 **	33	295.7 ± 3.7 **	94.1	33	274.2 ± 3.2 **	87.2	30	
GD15	A	320.6 ± 4.5 **	33	301.6 ± 3.6 **	94.1	33	279.9 ± 3.1 **	87.3	30	
GD16	A	330.7 ± 4.6 **	33	310.2 ± 3.5 **	93.8	33	286.9 ± 3.3 **	86.8	30	
GD17	A	345.8 ± 4.9 **	33	322.4 ± 3.8 **	93.2	33	297.7 ± 3.1 **	86.1	30	
GD18	A	362.5 ± 5.3 **	33	335.7 ± 3.7 **	92.6	33	310.2 ± 2.8 **	85.6	30	
GD19	A	378.8 ± 5.7 **	33	349.9 ± 4.1 **	92.4	33	322.0 ± 2.9 **	85.0	30	
GD20	A	395.5 ± 6.0 **	33	363.2 ± 4.2 **	91.8	33	334.8 ± 3.1 **	84.6	30	
GD21	A	408.6 ± 6.4 **	33	376.7 ± 4.5 **	92.2	33	345.7 ± 3.3 **	84.6	30	
LD1	A	306.9 ± 4.2 **	33	286.7 ± 4.8 **	93.4	32	256.4 ± 4.2 **	83.6	28	
LD4	A	317.4 ± 5.3 **	32	294.6 ± 4.7 **	92.8	32	262.1 ± 3.9 **	82.6	29	

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F1 Females: F1 Parental Females

Phase Day	Litter ID	Treatment Groups (ppm)							
		0		750			2500		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD0	B	298.9 ± 3.8 **	33	278.7 ± 3.3 **	93.2	36	261.4 ± 3.9 **	87.5	27
GD1	B	303.0 ± 3.9 **	33	283.1 ± 3.4 **	93.4	36	261.2 ± 3.4 **	86.2	27
GD2	B	307.1 ± 4.0 **	33	287.3 ± 3.3 **	93.6	36	266.0 ± 3.3 **	86.6	27
GD3	B	310.9 ± 4.3 **	33	291.3 ± 3.4 **	93.7	36	270.3 ± 3.3 **	86.9	27
GD4	B	313.4 ± 4.1 **	33	293.2 ± 3.4 **	93.5	36	271.9 ± 3.6 **	86.8	27
GD5	B	315.1 ± 4.3 **	33	296.2 ± 3.4 **	94.0	36	274.3 ± 3.3 **	87.1	27
GD6	B	318.2 ± 4.2 **	33	297.6 ± 3.2 **	93.5	36	275.3 ± 3.1 **	86.5	27
GD7	B	321.9 ± 4.3 **	33	300.4 ± 3.4 **	93.3	36	277.7 ± 3.4 **	86.3	27
GD8	B	323.9 ± 4.3 **	33	302.8 ± 3.4 **	93.5	36	281.1 ± 3.4 **	86.8	27
GD9	B	327.9 ± 4.3 **	33	305.1 ± 3.5 **	93.1	36	283.1 ± 3.5 **	86.3	27
GD10	B	333.9 ± 4.5 **	33	310.8 ± 3.6 **	93.1	36	288.0 ± 3.6 **	86.3	27
GD11	B	337.5 ± 4.2 **	33	313.9 ± 3.5 **	93.0	36	291.0 ± 3.9 **	86.2	27
GD12	B	341.3 ± 4.6 **	33	317.3 ± 3.6 **	93.0	36	294.5 ± 3.9 **	86.3	27
GD13	B	345.3 ± 4.5 **	33	321.5 ± 3.4 **	93.1	36	298.2 ± 4.0 **	86.4	27
GD14	B	350.2 ± 4.6 **	33	325.2 ± 3.6 **	92.9	36	302.8 ± 3.8 **	86.5	27
GD15	B	358.1 ± 5.0 **	33	331.7 ± 3.6 **	92.6	36	308.0 ± 4.1 **	86.0	27
GD16	B	370.1 ± 5.1 **	33	341.2 ± 3.7 **	92.2	36	315.0 ± 4.4 **	85.1	27
GD17	B	385.7 ± 5.4 **	33	353.8 ± 3.8 **	91.7	36	327.4 ± 4.8 **	84.9	27
GD18	B	403.3 ± 5.9 **	33	368.0 ± 4.4 **	91.2	36	341.8 ± 5.6 **	84.7	27
GD19	B	420.3 ± 6.4 **	33	382.4 ± 4.8 **	91.0	36	354.5 ± 6.8 **	84.3	27
GD20	B	438.1 ± 6.9 **	33	397.7 ± 5.1 **	90.8	36	365.6 ± 7.2 **	83.5	27
GD21	B	452.5 ± 7.2 **	33	412.5 ± 5.7 **	91.2	36	377.5 ± 7.0 **	83.4	27
LD1	B	340.2 ± 4.0 **	34	315.7 ± 3.8 **	92.8	36	285.9 ± 4.3 **	84.0	29
LD4	B	346.7 ± 4.4 **	34	321.6 ± 3.7 **	92.8	36	289.9 ± 3.4 **	83.6	29

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F1 Females: F1 Parental Females

Phase Day	Litter ID	Treatment Groups (ppm)								
		0			750			2500		
		Wt (g)	N		Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD0	C	318.3 ± 5.0 **	26		296.3 ± 5.3 **	93.1	35	283.0 ± 3.3 **	88.9	23
GD1	C	321.5 ± 4.9 **	26		299.0 ± 5.2 **	93.0	35	283.1 ± 3.7 **	88.1	23
GD2	C	326.7 ± 4.7 **	26		302.4 ± 5.1 **	92.5	35	287.9 ± 3.3 **	88.1	23
GD3	C	329.9 ± 4.9 **	26		306.7 ± 5.3 **	92.9	35	291.1 ± 3.4 **	88.2	23
GD4	C	332.2 ± 4.9 **	26		308.1 ± 5.2 **	92.7	35	294.1 ± 3.2 **	88.5	23
GD5	C	334.9 ± 4.8 **	26		310.1 ± 5.1 **	92.6	35	294.6 ± 3.6 **	88.0	23
GD6	C	337.6 ± 4.8 **	26		312.4 ± 5.1 **	92.5	35	296.4 ± 3.6 **	87.8	23
GD7	C	340.3 ± 4.6 **	26		314.1 ± 5.2 **	92.3	35	299.0 ± 3.7 **	87.8	23
GD8	C	343.2 ± 4.6 **	26		317.2 ± 5.2 **	92.4	35	301.4 ± 3.7 **	87.8	23
GD9	C	346.2 ± 4.6 **	26		319.1 ± 5.3 **	92.2	35	304.3 ± 3.5 **	87.9	23
GD10	C	351.6 ± 4.5 **	26		323.9 ± 5.3 **	92.1	35	308.1 ± 3.7 **	87.6	23
GD11	C	355.6 ± 4.7 **	26		327.8 ± 5.4 **	92.2	35	311.7 ± 3.7 **	87.7	23
GD12	C	357.8 ± 4.8 **	26		330.6 ± 5.3 **	92.4	35	313.7 ± 3.9 **	87.7	23
GD13	C	362.0 ± 4.6 **	26		333.9 ± 5.7 **	92.2	35	317.6 ± 3.8 **	87.7	23
GD14	C	366.3 ± 4.6 **	26		338.5 ± 5.9 **	92.4	35	320.9 ± 4.2 **	87.6	23
GD15	C	373.0 ± 4.8 **	26		343.2 ± 5.9 **	92.0	35	326.0 ± 4.5 **	87.4	23
GD16	C	381.9 ± 4.9 **	26		350.6 ± 6.1 **	91.8	35	333.1 ± 4.9 **	87.2	23
GD17	C	394.2 ± 5.1 **	26		361.7 ± 6.6 **	91.8	35	343.6 ± 5.3 **	87.2	23
GD18	C	409.2 ± 5.7 **	26		374.3 ± 6.8 **	91.5	35	356.5 ± 5.9 **	87.1	23
GD19	C	425.0 ± 6.3 **	26		388.4 ± 7.6 **	91.4	35	368.8 ± 7.0 **	86.8	23
GD20	C	438.2 ± 6.9 **	26		400.7 ± 8.1 **	91.4	35	381.1 ± 8.1 **	87.0	23
GD21	C	450.4 ± 7.7 **	26		413.8 ± 8.9 **	91.9	35	391.8 ± 9.4 **	87.0	23

Study Number: R92025B

Test Type: RACB

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04: Mean Body Weight Summary

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 01/16/2019

Time Report Requested: 06:59:53

Lab: RTI

F1 Females: F1 Parental Females

Phase Day	Litter ID	Treatment Groups (ppm)							
		0		750			2500		
		Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
LD1	C	360.1 ± 4.7 **	28	329.3 ± 5.4 **	91.5	34	305.9 ± 4.6 **	85.0	23
LD4	C	366.1 ± 4.9 **	28	341.1 ± 4.0 **	93.2	33	312.3 ± 4.5 **	85.3	22
LD7	C	371.1 ± 5.2 **	27	344.2 ± 3.8 **	92.8	33	317.8 ± 4.0 **	85.6	22
LD10	C	373.0 ± 5.5 **	27	345.1 ± 4.0 **	92.5	33	322.9 ± 4.3 **	86.6	22
LD13	C	373.6 ± 5.3 **	27	347.1 ± 3.8 **	92.9	33	325.7 ± 4.0 **	87.2	22
LD16	C	375.7 ± 5.3 **	27	347.3 ± 4.1 **	92.4	33	328.8 ± 3.7 **	87.5	22
LD19	C	369.0 ± 5.5 **	27	341.1 ± 3.9 **	92.4	33	323.0 ± 3.5 **	87.5	22
LD21	C	365.7 ± 5.5 **	27	337.5 ± 3.7 **	92.3	33	321.2 ± 3.1 **	87.8	22
LD25	C	354.7 ± 6.0 **	27	329.0 ± 3.7 **	92.8	33	314.3 ± 3.2 **	88.6	22
LD26	C	NR		NR		1	NR		1
LD27	C	NR	1	NR			NR		
LD28	C	347.5 ± 6.5 **	27	324.4 ± 4.2 **	93.3	33	312.0 ± 3.6 **	89.8	22

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

I04: Mean Body Weight Summary
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 01/16/2019
Time Report Requested: 06:59:53
Lab: RTI

LEGEND

Data are displayed as mean \pm SEM for the F0 animals. Data are displayed as the mean of the litter mean \pm SEM for the F1 and/or F2 animals.

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

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

Statistical analysis for F0 animals performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical analysis of weight data with litter-mates was performed by linear mixed models, with dam ID as random effect for both trend and pairwise analysis, and using Dunnett-Hsu adjustment for 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 $P \leq 0.01$

Naive females that were not pregnant were excluded from the analysis of gestational and lactational body weight data.

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

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

E Litter is crossover mating of F0 naive Females with dosed F0 Males (doses listed are for the doses of the F0 Males)

NM = Naive Males

NF = Naive Females

NR not recorded

**** END OF REPORT ****