

Study Number: MOG003
Test Type: MOG - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

R19G: Pup Mean Body Weight Gain
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
Time Report Requested: 07:42:09
Lab: RTI

C Number: MOG003
Study Gender: Female
PWG Approval Date See web page for date of PWG Approval

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F1 Males

Treatment Groups (ppm)

Phase	Days	0		2250		5000		10000		20000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.43 ± 0.14 **	58 (8)	3.27 ± 0.18	50 (9)	3.26 ± 0.18	37 (6)	2.72 ± 0.19 *	54 (8)	0.46 ± 0.41 **	14 (4)
	4 - 7	4.79 ± 0.35 **	36 (5)	4.22 ± 0.31	28 (6)	3.89 ± 0.18	37 (6)	3.32 ± 0.29 **	34 (6)	0.27 ± 0.22 **	5 (2)
	7 - 14	14.63 ± 0.66 **	36 (5)	13.03 ± 0.66	27 (6)	11.50 ± 0.53 *	37 (6)	7.24 ± 1.19 **	32 (6)	0.38 ± 0.58 **	5 (2)
	14 - 21	14.93 ± 0.58 **	36 (5)	14.67 ± 1.09	27 (6)	12.14 ± 0.82	37 (6)	4.38 ± 1.39 **	32 (6)	NR	
	21 - 25	16.82 ± 0.55 **	36 (5)	16.96 ± 0.78	27 (6)	15.34 ± 0.77	37 (6)	6.10 ± 0.83 **	32 (6)	NR	
	25 - 28	15.67 ± 1.14 **	36 (5)	14.02 ± 1.25	27 (6)	13.82 ± 0.67	37 (6)	6.73 ± 1.16 **	32 (6)	NR	
	1 - 28	69.84 ± 2.48 **	36 (5)	66.16 ± 2.06	27 (6)	59.67 ± 2.05	37 (6)	30.13 ± 4.27 **	32 (6)	NR	

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F1 Females

Treatment Groups (ppm)

Phase	Days	0		2250		5000		10000		20000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.39 ± 0.09 **	36 (8)	3.30 ± 0.18	54 (9)	3.06 ± 0.20	33 (6)	2.54 ± 0.15 **	53 (8)	0.59 ± 0.38 **	22 (4)
	4 - 7	4.77 ± 0.22 **	19 (5)	4.39 ± 0.47	39 (6)	3.46 ± 0.18 *	33 (6)	3.01 ± 0.25 **	43 (6)	0.77 ± 0.17 **	10 (2)
	7 - 14	14.25 ± 0.67 **	19 (5)	12.86 ± 0.68	39 (6)	11.15 ± 0.37 *	33 (6)	6.79 ± 0.96 **	39 (6)	0.04 ± 0.23 **	10 (2)
	14 - 21	12.08 ± 1.47 **	19 (5)	14.69 ± 1.60	39 (6)	11.29 ± 0.85	33 (6)	3.77 ± 1.11 **	40 (6)	NR	
	21 - 25	17.60 ± 2.12 **	18 (5)	14.75 ± 0.50	39 (6)	13.95 ± 0.83	33 (6)	5.51 ± 0.98 **	40 (6)	NR	
	25 - 28	14.64 ± 0.51 **	17 (5)	12.40 ± 1.22	39 (6)	11.43 ± 0.68	33 (6)	6.55 ± 0.34 **	40 (6)	NR	
	1 - 28	66.14 ± 1.80 **	18 (5)	62.46 ± 3.93	39 (6)	54.13 ± 2.32 *	33 (6)	27.63 ± 3.18 **	40 (6)	NR	

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F1 Pups

Treatment Groups (ppm)

Phase	Days	0		2250		5000		10000		20000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.39 ± 0.11 **	94 (8)	3.28 ± 0.17	104 (9)	3.17 ± 0.19	70 (6)	2.62 ± 0.17 *	107 (8)	0.55 ± 0.39 **	36 (4)
	4 - 7	4.72 ± 0.29 **	55 (5)	4.22 ± 0.32	67 (6)	3.69 ± 0.17 *	70 (6)	3.19 ± 0.24 **	77 (6)	0.52 ± 0.22 **	15 (2)
	7 - 14	14.41 ± 0.64 **	55 (5)	12.75 ± 0.57	66 (6)	11.34 ± 0.46 *	70 (6)	7.08 ± 1.09 **	71 (6)	0.08 ± 0.32 **	15 (2)
	14 - 21	13.56 ± 0.93 **	55 (5)	14.66 ± 1.23	66 (6)	11.70 ± 0.83	70 (6)	4.07 ± 1.25 **	72 (6)	NR	
	21 - 25	17.50 ± 1.01 **	54 (5)	15.43 ± 0.52	66 (6)	14.65 ± 0.75	70 (6)	5.79 ± 0.87 **	72 (6)	NR	
	25 - 28	15.36 ± 0.81 **	53 (5)	13.14 ± 1.16	66 (6)	12.72 ± 0.63	70 (6)	6.89 ± 0.73 **	72 (6)	NR	
	1 - 28	68.44 ± 2.25 **	54 (5)	63.50 ± 2.87	66 (6)	57.01 ± 2.11 *	70 (6)	29.20 ± 3.82 **	72 (6)	NR	

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LEGEND

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 models with dam ID as a random effect for both trend and pairwise tests, using Dunnett-Hsu adjustment for multiple 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 $P \leq 0.01$

Decrease in number of pups for PND 25 and 28 in the 0 ppm group is due to the pup body weight for one pup being an outlier and was excluded.

The 20000 ppm exposure group was removed on postnatal day 14.

NR not recorded

**** END OF REPORT ****