

Study Number: MOG002
Test Type: MOG - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

R19G: Pup Mean Body Weight Gain
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 01/13/2020
Time Report Requested: 14:11:51
Lab: RTI

C Number:

MOG002

Study Gender:

Female

PWG Approval Date

See web page for date of PWG Approval

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F1 Pups

Treatment Groups (ppm)

Phase	Days	0		3000		10000		25000		50000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.72 ± 0.17 **	80 (7)	3.51 ± 0.22	74 (7)	2.80 ± 0.09 **	64 (6)	1.83 ± 0.44 **	53 (5)	2.13 ± 0.11 **	97 (9)
	4 - 7	4.21 ± 0.14 **	56 (5)	4.30 ± 0.27	53 (5)	3.89 ± 0.21	64 (6)	2.82 ± 0.34 **	48 (5)	3.07 ± 0.06 **	58 (6)
	7 - 14	13.82 ± 0.54 **	55 (5)	15.40 ± 0.57	50 (5)	13.01 ± 0.31	64 (6)	12.76 ± 1.00	41 (4)	10.61 ± 1.34 *	57 (6)
	14 - 21	15.78 ± 0.67 **	55 (5)	16.21 ± 0.56	50 (5)	13.67 ± 0.59	64 (6)	11.69 ± 1.24	41 (4)	5.95 ± 2.06 **	57 (6)
	1 - 21	37.68 ± 1.16 **	55 (5)	39.45 ± 1.20	50 (5)	33.40 ± 0.69	64 (6)	30.02 ± 2.24 *	41 (4)	21.84 ± 2.79 **	57 (6)
	21 - 25	18.22 ± 0.92 **	55 (5)	16.57 ± 0.82	50 (5)	15.51 ± 0.31	64 (6)	11.48 ± 1.46 **	41 (4)	4.26 ± 0.93 **	55 (6)
	25 - 28	15.47 ± 0.50 **	55 (5)	14.84 ± 0.40	50 (5)	12.94 ± 0.82	64 (6)	12.22 ± 1.37	41 (4)	6.43 ± 1.01 **	55 (6)
	1 - 28	71.38 ± 1.56 **	55 (5)	70.86 ± 2.13	50 (5)	61.84 ± 1.15	64 (6)	53.72 ± 5.05 **	41 (4)	32.60 ± 4.44 **	55 (6)

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F1 Males

Treatment Groups (ppm)

Phase	Days	0		3000		10000		25000		50000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.87 ± 0.20 **	42 (7)	3.64 ± 0.25	36 (7)	2.84 ± 0.12 **	26 (6)	1.66 ± 0.40 **	24 (5)	2.09 ± 0.12 **	52 (9)
	4 - 7	4.30 ± 0.09 **	29 (5)	4.17 ± 0.41	25 (5)	4.04 ± 0.30	26 (6)	2.82 ± 0.30 **	22 (5)	3.20 ± 0.10 *	29 (6)
	7 - 14	14.39 ± 0.66 **	28 (5)	15.90 ± 0.69	25 (5)	12.89 ± 0.48	26 (6)	13.40 ± 1.12	17 (4)	10.28 ± 1.18 **	29 (6)
	14 - 21	16.33 ± 0.38 **	28 (5)	17.18 ± 1.07	25 (5)	14.36 ± 0.94	26 (6)	11.26 ± 1.36	17 (4)	6.13 ± 2.11 **	29 (6)
	1 - 21	39.05 ± 1.14 **	28 (5)	40.94 ± 1.35	25 (5)	34.17 ± 1.25	26 (6)	30.04 ± 1.90 **	17 (4)	21.65 ± 2.52 **	29 (6)
	21 - 25	18.98 ± 0.75 **	28 (5)	18.86 ± 1.54	25 (5)	16.15 ± 0.42	26 (6)	13.03 ± 1.56 **	17 (4)	5.06 ± 0.81 **	29 (6)
	25 - 28	16.56 ± 0.42 **	28 (5)	15.19 ± 1.27	25 (5)	13.84 ± 0.88	26 (6)	13.45 ± 1.24	17 (4)	7.26 ± 1.00 **	29 (6)
	1 - 28	74.58 ± 1.48 **	28 (5)	74.99 ± 2.89	25 (5)	64.17 ± 1.72	26 (6)	56.51 ± 4.61 **	17 (4)	33.97 ± 4.00 **	29 (6)

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F1 Females

Treatment Groups (ppm)

Phase	Days	0		3000		10000		25000		50000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.57 ± 0.15 **	38 (7)	3.35 ± 0.22	38 (7)	2.80 ± 0.08 *	38 (6)	1.93 ± 0.48 **	29 (5)	2.18 ± 0.12 **	45 (9)
	4 - 7	4.16 ± 0.23 **	27 (5)	4.58 ± 0.25	28 (5)	3.85 ± 0.18	38 (6)	3.03 ± 0.40 *	26 (4)	2.97 ± 0.07 *	29 (6)
	7 - 14	12.42 ± 1.02 **	27 (5)	14.73 ± 0.63	25 (5)	13.17 ± 0.32	38 (6)	12.36 ± 1.06	24 (4)	11.00 ± 1.61	28 (6)
	14 - 21	15.76 ± 1.55 **	27 (5)	15.20 ± 1.28	25 (5)	13.18 ± 0.34	38 (6)	12.07 ± 1.25	24 (4)	5.61 ± 1.97 **	28 (6)
	1 - 21	35.98 ± 1.10 **	27 (5)	37.91 ± 1.76	25 (5)	33.02 ± 0.42	38 (6)	30.12 ± 2.36	24 (4)	21.96 ± 3.15 **	28 (6)
	21 - 25	17.18 ± 1.05 **	27 (5)	14.67 ± 0.82	25 (5)	15.13 ± 0.33	38 (6)	10.23 ± 1.56 **	24 (4)	3.53 ± 1.02 **	26 (6)
	25 - 28	14.00 ± 0.67 **	27 (5)	14.77 ± 0.98	25 (5)	12.30 ± 0.78	38 (6)	11.18 ± 1.61	24 (4)	5.46 ± 1.11 **	26 (6)
	1 - 28	67.16 ± 1.16 **	27 (5)	67.35 ± 2.17	25 (5)	60.44 ± 0.99	38 (6)	51.53 ± 5.48 *	24 (4)	31.05 ± 4.97 **	26 (6)

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LEGEND

N = the number of pups (number of litters)

PND4 weights are precull if litters are culled on postnatal day 4.

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 $P \leq 0.01$

**** END OF REPORT ****