

**Study Number:** MOG003B  
**Test Type:** MOG  
**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:** 08/28/2020  
**Time Report Requested:** 07:08:19  
**Lab:** RTI

**Study Number:**

MOG003B

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

Study Number: MOG003B

Test Type: MOG

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: 08/28/2020

Time Report Requested: 07:08:19

Lab: RTI

F1 Males

Treatment Groups (ppm)

Phase	Days	0		1000		3000		6000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4 (unadjusted)	3.42 ± 0.19	126 (21)	2.95 ± 0.11	151 (24)	3.27 ± 0.13	109 (19)	3.25 ± 0.18	118 (22)
	1 - 4	3.19 ± 0.15	126 (21)	3.05 ± 0.10	151 (24)	3.17 ± 0.11	109 (19)	3.07 ± 0.11	118 (22)
	4 - 7	5.19 ± 0.18 *	100 (21)	4.92 ± 0.19	115 (24)	4.82 ± 0.20	91 (19)	4.62 ± 0.15	97 (22)
	7 - 10	5.95 ± 0.21 **	100 (21)	6.05 ± 0.11	115 (24)	5.41 ± 0.16	91 (19)	4.94 ± 0.18 **	96 (22)
	10 - 13	7.37 ± 0.19 **	100 (21)	6.88 ± 0.15	115 (24)	6.87 ± 0.40	91 (19)	6.10 ± 0.17 **	95 (22)
	13 - 16	7.03 ± 0.19 **	100 (21)	6.97 ± 0.12	113 (24)	5.74 ± 0.42 **	91 (19)	5.54 ± 0.16 **	95 (22)
	16 - 19	5.68 ± 0.15 **	100 (21)	5.80 ± 0.15	113 (24)	5.24 ± 0.15	90 (19)	4.75 ± 0.14 **	95 (22)
	19 - 21	7.70 ± 0.29 **	100 (21)	7.88 ± 0.30	114 (24)	7.41 ± 0.30	90 (19)	5.92 ± 0.22 **	95 (22)
	21 - 25	15.76 ± 0.42 **	100 (21)	16.20 ± 0.36	114 (24)	16.02 ± 0.45	91 (19)	14.15 ± 0.54 *	95 (22)
	25 - 28	17.71 ± 0.48 **	100 (21)	17.33 ± 0.47	114 (24)	16.86 ± 0.49	91 (19)	15.62 ± 0.35 **	95 (22)
	4 - 28	72.46 ± 0.87 **	100 (21)	72.08 ± 0.97	114 (24)	68.36 ± 0.85 **	91 (19)	61.60 ± 0.88 **	95 (22)

Study Number: MOG003B

Test Type: MOG

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: 08/28/2020

Time Report Requested: 07:08:19

Lab: RTI

F1 Females

Treatment Groups (ppm)

Phase	Days	0		1000		3000		6000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4 (unadjusted)	2.92 ± 0.32	101 (21)	2.61 ± 0.10	158 (24)	2.83 ± 0.11	110 (19)	2.83 ± 0.18	122 (22)
	1 - 4	2.76 ± 0.31	101 (21)	2.69 ± 0.09	158 (24)	2.75 ± 0.10	110 (19)	2.69 ± 0.13	122 (22)
	4 - 7	4.77 ± 0.21	86 (20)	4.45 ± 0.21	122 (24)	4.37 ± 0.20	95 (19)	4.28 ± 0.13	102 (22)
	7 - 10	5.72 ± 0.17 **	86 (20)	5.53 ± 0.11	120 (24)	4.96 ± 0.18 **	95 (19)	4.42 ± 0.14 **	102 (22)
	10 - 13	7.03 ± 0.13 **	86 (20)	6.59 ± 0.13	119 (24)	6.04 ± 0.20 **	95 (19)	5.74 ± 0.13 **	101 (22)
	13 - 16	6.68 ± 0.18 **	86 (20)	6.47 ± 0.13	119 (24)	5.85 ± 0.20 **	95 (19)	5.21 ± 0.17 **	101 (22)
	16 - 19	5.44 ± 0.17 **	86 (20)	5.42 ± 0.15	119 (24)	4.97 ± 0.15	95 (19)	4.35 ± 0.16 **	101 (22)
	19 - 21	7.04 ± 0.31 **	86 (20)	6.79 ± 0.25	119 (24)	6.24 ± 0.30	95 (19)	5.13 ± 0.18 **	101 (22)
	21 - 25	13.88 ± 0.47 *	86 (20)	14.14 ± 0.35	119 (24)	13.80 ± 0.46	95 (19)	12.66 ± 0.49	101 (22)
	25 - 28	15.19 ± 0.35 **	86 (20)	14.84 ± 0.35	119 (24)	13.98 ± 0.40	95 (19)	13.02 ± 0.35 **	101 (22)
	4 - 28	65.75 ± 0.98 **	86 (20)	64.31 ± 0.96	119 (24)	60.22 ± 0.95 **	95 (19)	54.87 ± 0.81 **	101 (22)

Study Number: MOG003B

Test Type: MOG

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: 08/28/2020

Time Report Requested: 07:08:19

Lab: RTI

F1 Pups

Treatment Groups (ppm)

Phase	Days	0		1000		3000		6000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4 (unadjusted)	3.11 ± 0.30	227 (22)	2.77 ± 0.10	309 (24)	3.03 ± 0.11	219 (19)	3.05 ± 0.18	240 (22)
	1 - 4	2.89 ± 0.30	227 (22)	2.86 ± 0.09	309 (24)	2.94 ± 0.09	219 (19)	2.88 ± 0.12	240 (22)
	4 - 7	4.99 ± 0.17	186 (21)	4.66 ± 0.20	237 (24)	4.59 ± 0.19	186 (19)	4.44 ± 0.14	199 (22)
	7 - 10	5.81 ± 0.18 **	186 (21)	5.78 ± 0.10	235 (24)	5.19 ± 0.16 *	186 (19)	4.69 ± 0.14 **	198 (22)
	10 - 13	7.20 ± 0.15 **	186 (21)	6.72 ± 0.13	234 (24)	6.45 ± 0.18 **	186 (19)	5.88 ± 0.13 **	196 (22)
	13 - 16	6.86 ± 0.18 **	186 (21)	6.72 ± 0.11	232 (24)	5.79 ± 0.21 **	186 (19)	5.34 ± 0.14 **	196 (22)
	16 - 19	5.59 ± 0.14 **	186 (21)	5.61 ± 0.14	232 (24)	5.11 ± 0.14	185 (19)	4.53 ± 0.13 **	196 (22)
	19 - 21	7.34 ± 0.27 **	186 (21)	7.31 ± 0.28	233 (24)	6.84 ± 0.29	185 (19)	5.51 ± 0.20 **	196 (22)
	21 - 25	14.90 ± 0.43 **	186 (21)	15.17 ± 0.35	233 (24)	14.91 ± 0.45	186 (19)	13.33 ± 0.50 *	196 (22)
	25 - 28	16.52 ± 0.37 **	186 (21)	16.08 ± 0.40	233 (24)	15.41 ± 0.44	186 (19)	14.23 ± 0.30 **	196 (22)
	4 - 28	69.27 ± 0.86 **	186 (21)	68.12 ± 0.96	233 (24)	64.28 ± 0.87 **	186 (19)	57.95 ± 0.74 **	196 (22)

Study Number: MOG003B

Test Type: MOG

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: 08/28/2020

Time Report Requested: 07:08:19

Lab: RTI

F2 Males

Treatment Groups (ppm)

Phase	Days	0		1000		3000		6000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4 (unadjusted)	2.75 ± 0.19	163 (25)	2.74 ± 0.18	206 (32)	1.95 ± 0.28 *	160 (24)	2.38 ± 0.22	156 (25)
	1 - 4	2.73 ± 0.14 *	163 (25)	2.53 ± 0.16	206 (32)	1.98 ± 0.28 *	160 (24)	2.18 ± 0.19	156 (25)
	4 - 7	3.77 ± 0.27	102 (25)	3.71 ± 0.26	155 (32)	3.51 ± 0.24	97 (21)	3.62 ± 0.28	109 (24)
	7 - 10	5.33 ± 0.34 **	96 (25)	5.60 ± 0.23	139 (32)	4.74 ± 0.27	91 (21)	4.38 ± 0.23 *	99 (23)
	10 - 13	7.06 ± 0.30 **	94 (25)	6.67 ± 0.20	135 (32)	6.71 ± 0.20	86 (21)	5.89 ± 0.22 **	97 (23)
	13 - 16	7.41 ± 0.30 **	94 (25)	7.04 ± 0.17	133 (32)	6.94 ± 0.26	86 (21)	5.61 ± 0.24 **	96 (23)
	16 - 19	5.92 ± 0.23 **	94 (25)	5.94 ± 0.26	133 (32)	6.09 ± 0.23	86 (21)	5.02 ± 0.25 *	96 (23)
	19 - 21	6.49 ± 0.40 **	94 (25)	6.67 ± 0.42	135 (32)	5.42 ± 0.45	86 (21)	4.92 ± 0.30 *	96 (23)
	21 - 25	16.83 ± 0.62 **	94 (25)	16.65 ± 0.38	135 (32)	15.33 ± 0.85	86 (21)	14.40 ± 0.35 **	96 (23)
25 - 28	15.45 ± 0.47 **	94 (25)	15.82 ± 0.33	135 (32)	14.83 ± 0.47	86 (21)	13.48 ± 0.39 **	96 (23)	
4 - 28	68.63 ± 2.12 **	94 (25)	68.55 ± 1.49	135 (32)	64.16 ± 1.91	86 (21)	57.85 ± 1.26 **	96 (23)	

Study Number: MOG003B

Test Type: MOG

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: 08/28/2020

Time Report Requested: 07:08:19

Lab: RTI

F2 Females

Treatment Groups (ppm)

Phase	Days	0		1000		3000		6000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4 (unadjusted)	2.26 ± 0.18	190 (26)	2.42 ± 0.18	211 (32)	1.77 ± 0.27	181 (24)	2.04 ± 0.21	166 (25)
	1 - 4	2.17 ± 0.18	190 (26)	2.23 ± 0.15	211 (32)	1.80 ± 0.27	181 (24)	1.86 ± 0.18	166 (25)
	4 - 7	3.37 ± 0.32	131 (25)	3.65 ± 0.21	135 (32)	3.23 ± 0.28	104 (21)	3.56 ± 0.27	113 (24)
	7 - 10	4.97 ± 0.40 **	116 (25)	5.66 ± 0.21	126 (32)	4.85 ± 0.32	92 (20)	4.48 ± 0.21	103 (23)
	10 - 13	6.76 ± 0.27 **	110 (24)	6.47 ± 0.22	126 (32)	6.54 ± 0.21	85 (20)	5.71 ± 0.17 **	102 (23)
	13 - 16	7.33 ± 0.26 **	110 (24)	6.90 ± 0.20	125 (32)	6.55 ± 0.24	85 (20)	5.49 ± 0.21 **	102 (23)
	16 - 19	5.52 ± 0.29 **	110 (24)	5.68 ± 0.20	125 (32)	5.81 ± 0.14	85 (20)	4.89 ± 0.22 *	102 (23)
	19 - 21	5.76 ± 0.41 *	110 (24)	6.27 ± 0.35	125 (32)	4.80 ± 0.40	85 (20)	5.11 ± 0.30	102 (23)
	21 - 25	14.81 ± 0.46 **	110 (24)	14.36 ± 0.43	125 (32)	13.62 ± 0.81	85 (20)	12.90 ± 0.45 *	102 (23)
	25 - 28	12.84 ± 0.35 *	110 (24)	13.44 ± 0.33	125 (32)	12.91 ± 0.47	85 (20)	12.13 ± 0.31	102 (23)
	4 - 28	62.19 ± 1.83 **	110 (24)	62.68 ± 1.48	125 (32)	59.16 ± 1.70	85 (20)	54.68 ± 1.18 **	102 (23)

Study Number: MOG003B

Test Type: MOG

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: 08/28/2020

Time Report Requested: 07:08:19

Lab: RTI

F2 Pups

Treatment Groups (ppm)

Phase	Days	0		1000		3000		6000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4 (unadjusted)	2.45 ± 0.17	353 (26)	2.57 ± 0.18	417 (32)	1.88 ± 0.27	341 (24)	2.20 ± 0.20	322 (25)
	1 - 4	2.36 ± 0.18	353 (26)	2.38 ± 0.15	417 (32)	1.91 ± 0.27	341 (24)	2.01 ± 0.18	322 (25)
	4 - 7	3.46 ± 0.28	233 (26)	3.67 ± 0.23	290 (32)	3.36 ± 0.24	201 (21)	3.59 ± 0.26	222 (24)
	7 - 10	4.96 ± 0.34 **	212 (26)	5.65 ± 0.18	265 (32)	4.78 ± 0.25	183 (21)	4.43 ± 0.18 *	202 (23)
	10 - 13	6.70 ± 0.31 **	204 (26)	6.57 ± 0.20	261 (32)	6.60 ± 0.17	171 (21)	5.81 ± 0.18 **	199 (23)
	13 - 16	7.16 ± 0.30 **	204 (26)	7.00 ± 0.17	258 (32)	6.71 ± 0.20	171 (21)	5.55 ± 0.21 **	198 (23)
	16 - 19	5.48 ± 0.30 **	204 (26)	5.80 ± 0.22	258 (32)	5.90 ± 0.19	171 (21)	4.90 ± 0.20	198 (23)
	19 - 21	5.86 ± 0.45 **	204 (26)	6.45 ± 0.36	260 (32)	5.10 ± 0.40	171 (21)	4.99 ± 0.24	198 (23)
	21 - 25	15.47 ± 0.63 **	204 (26)	15.51 ± 0.36	260 (32)	14.31 ± 0.78	171 (21)	13.71 ± 0.30 **	198 (23)
25 - 28	13.87 ± 0.39 **	204 (26)	14.65 ± 0.32	260 (32)	13.81 ± 0.44	171 (21)	12.74 ± 0.30 *	198 (23)	
4 - 28	63.54 ± 2.38 **	204 (26)	65.72 ± 1.37	260 (32)	61.25 ± 1.70	171 (21)	56.21 ± 1.12 **	198 (23)	

**Study Number:** MOG003B  
**Test Type:** MOG  
**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:** 08/28/2020  
**Time Report Requested:** 07:08:19  
**Lab:** RTI

#### 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 for all postnatal days. Total live on PND 1 for day 1 to cull day, and number of live pups after culling for later weight days.  
Unadjusted pup weights may also be reported for select postnatal days.

Statistical analysis was performed using mixed effects models with litter as a random effect, and a Dunnett-Hsu adjustment for multiple 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  $P \leq 0.01$

Pup weights were excluded as outliers for the F1 0 ppm group on PND 7 for one pup therefore the pupweight gains for PND 0-7 and PND 7-14 were excluded, for the F1 1000 ppm group on PND 16 for one pup therefore the pup weight gains for PND 13-16 and PND 16-19 were excluded; for the F1 3000 ppm group for PND 19 for one pup therefore the pup weight gains for PND 16-19 and PND 19-21 were excluded; for the F2 1000 ppm group for PND 16 for two pups therefore the pup weight gains for PND 13-16 and PND 16-19 were excluded.

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