

Study Number: I20263

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date:

Version:

R19G: Pup Mean Body Weight Gain

Test Compound: Tris (chloropropyl) phosphate

CAS Number: 13674-84-5

I20263

Both

See web page for date of PWG Approval

v1.2.2

Date Report Requested: 06/07/2021

Time Report Requested: 05:27:34

Lab: Burleson Research Technologies

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F1 Males

Treatment Groups (ppm)

Phase	Days	0		2500		5000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.01 ± 0.09	181 (30)	3.08 ± 0.08	188 (29)	2.90 ± 0.10	194 (29)	2.83 ± 0.11	189 (27)
	4 - 7	6.49 ± 0.14 *	120 (30)	6.37 ± 0.24	114 (29)	6.10 ± 0.13	113 (29)	5.98 ± 0.12	106 (27)
	7 - 14	17.12 ± 0.26	120 (30)	17.07 ± 0.47	114 (29)	16.85 ± 0.28	113 (29)	16.99 ± 0.26	106 (27)
	14 - 21	22.23 ± 0.37 **	120 (30)	17.76 ± 0.48 **	108 (28)	16.47 ± 0.35 **	113 (29)	14.51 ± 0.31 **	106 (27)
	21 - 28	39.44 ± 0.42 **	120 (30)	39.26 ± 0.52	108 (28)	38.44 ± 0.42	113 (29)	36.31 ± 0.74 **	106 (27)
	4 - 28	85.28 ± 0.75 **	120 (30)	81.17 ± 0.99 **	108 (28)	77.86 ± 0.80 **	113 (29)	73.78 ± 1.09 **	106 (27)

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F1 Females

Treatment Groups (ppm)

Phase	Days	0		2500		5000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	2.79 ± 0.09 *	202 (30)	2.90 ± 0.08	183 (29)	2.68 ± 0.11	175 (29)	2.59 ± 0.08	163 (27)
	4 - 7	6.13 ± 0.13 **	120 (30)	6.12 ± 0.19	118 (29)	5.84 ± 0.13	114 (29)	5.53 ± 0.14 *	105 (27)
	7 - 14	16.22 ± 0.24	120 (30)	16.62 ± 0.51	118 (29)	16.28 ± 0.30	114 (29)	16.40 ± 0.24	105 (27)
	14 - 21	20.63 ± 0.27 **	120 (30)	16.53 ± 0.38 **	114 (28)	14.79 ± 0.29 **	114 (29)	13.34 ± 0.26 **	105 (27)
	21 - 28	33.19 ± 0.42 *	120 (30)	32.84 ± 0.42	113 (28)	33.19 ± 0.41	114 (29)	31.60 ± 0.58 *	105 (27)
	4 - 28	76.17 ± 0.60 **	120 (30)	72.68 ± 0.72 **	113 (28)	70.09 ± 0.79 **	114 (29)	66.88 ± 0.87 **	105 (27)

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F1 Pups

Treatment Groups (ppm)

Phase	Days	0		2500		5000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	2.90 ± 0.08	383 (30)	2.99 ± 0.08	371 (29)	2.80 ± 0.10	369 (29)	2.70 ± 0.09	352 (28)
	4 - 7	6.31 ± 0.13 **	240 (30)	6.24 ± 0.21	232 (29)	5.97 ± 0.12	227 (29)	5.72 ± 0.13 *	211 (28)
	7 - 14	16.69 ± 0.24	240 (30)	16.82 ± 0.48	232 (29)	16.56 ± 0.28	227 (29)	16.71 ± 0.23	211 (28)
	14 - 21	21.42 ± 0.29 **	240 (30)	17.09 ± 0.42 **	222 (28)	15.64 ± 0.30 **	227 (29)	13.90 ± 0.25 **	211 (28)
	21 - 28	36.28 ± 0.41 **	240 (30)	35.92 ± 0.39	221 (28)	35.81 ± 0.38	227 (29)	33.99 ± 0.63 **	211 (28)
	4 - 28	80.70 ± 0.60 **	240 (30)	76.69 ± 0.78 **	221 (28)	73.98 ± 0.75 **	227 (29)	70.32 ± 0.90 **	211 (28)

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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 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 $P \leq 0.01$

**** END OF REPORT ****