

Study Number: R16011D

Test Type: Teratology

Route: Oral Gavage

Species/Strain: Rabbit/New Zealand White

Study Number:

Study Gender:

PWG Approval Date:

Version:

R09: Uterine Content Summary

Test Compound: 2-((1-(4-Phenoxyphenoxy)propan-2-yl)oxy)pyridine

CAS Number: 95737-68-1

R16011D

Female

See web page for date of PWG Approval

v1.2.0

Date Report Requested: 05/18/2021

Time Report Requested: 05:52:51

Lab: Southern Research

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R09: Uterine Content Summary

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Lab: Southern Research

F0 Females: GD 28 Bio Samples

Treatment Groups (mg/kg/day)

0

62.5

125

250

Pregnancy Summary

Mated Females

3

3

3

4

Pregnant Females

3

3

3

4

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F0 Females: Main Study Animals

Treatment Groups (mg/kg/day)

0

62.5

125

250

Pregnancy Summary

Mated Females	24	24	24	23
Pregnant Females	24	23	24	21
Pregnant Females Examined on GD 29	24	23	22	16

Pre-implantation Loss

Corpora lutea per Female	9.63 ± 0.28 (24)	9.04 ± 0.32 (23)	9.32 ± 0.36 (22)	9.31 ± 0.31 (16)
Implantations per Female	9.21 ± 0.35 (24)	8.43 ± 0.39 (23)	9.00 ± 0.35 (22)	8.69 ± 0.43 (16)
Percent Pre-Implantation Loss	4.07 ± 2.54 (24)	6.86 ± 2.36 (23)	4.09 ± 1.51 (22)	7.00 ± 2.66 (16)

Intra-uterine Deaths

Number of Early Resorptions	4	6	4	1
Early Resorptions per Litter	0.17 ± 0.08 (24)	0.26 ± 0.11 (23)	0.18 ± 0.08 (22)	0.06 ± 0.06 (16)
Number of Late Resorptions	2	3	1	2
Late Resorptions per Litter	0.08 ± 0.06 (24)	0.13 ± 0.07 (23)	0.05 ± 0.05 (22)	0.13 ± 0.09 (16)
Total Resorptions per Litter	0.25 ± 0.09 (24)	0.39 ± 0.14 (23)	0.23 ± 0.09 (22)	0.19 ± 0.10 (16)
Whole Litter Resorptions	0	0	0	0
Number of Dead Fetuses	1	0	0	0
Dead Fetuses per Litter	0.04 ± 0.04 (24)	0.00 ± 0.00 (23)	0.00 ± 0.00 (22)	0.00 ± 0.00 (16)
Percent Post-Implantation Loss	3.81 ± 1.36 (24)	4.83 ± 1.70 (23)	2.89 ± 1.17 (22)	2.23 ± 1.26 (16)

Live Fetuses

Number of Live Fetuses	214	185	193	136
Live Fetuses per Litter	8.92 ± 0.39 (24)	8.04 ± 0.41 (23)	8.77 ± 0.39 (22)	8.50 ± 0.43 (16)
Live Male Fetuses per Litter	4.50 ± 0.38 (24)	3.83 ± 0.31 (23)	3.95 ± 0.40 (22)	4.53 ± 0.51 (15)
Live Female Fetuses per Litter	4.42 ± 0.40 (24)	4.22 ± 0.37 (23)	5.05 ± 0.36 (21)	3.69 ± 0.44 (16)
Percent Live Male Fetuses per Litter	50.37 ± 3.79 (24)	47.92 ± 3.45 (23)	44.81 ± 4.24 (22)	49.83 ± 5.52 (16)

Fetal Weight

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F0 Females: Main Study Animals

	Treatment Groups (mg/kg/day)			
	0	62.5	125	250
Fetal Weight per Litter (g)	37.98 ± 1.25 (24)	39.84 ± 0.97 (23)	37.07 ± 0.92 (22)	36.70 ± 1.37 (16)
Male Fetal Weight per Litter (g)	39.03 ± 1.47 (24)	40.52 ± 1.22 (23)	36.96 ± 1.00 (22)	37.41 ± 1.43 (15)
Female Fetal Weight per Litter (g)	36.65 ± 1.26 (24)	39.05 ± 0.96 (23)	37.25 ± 0.92 (21)	35.64 ± 1.57 (16)
Fetal Weight (adjusted)				
Fetal Weight per Litter (g)	38.57 ± 0.86 (24)	38.96 ± 0.77 (23)	37.42 ± 0.79 (22)	36.59 ± 1.29 (16)
Male Fetal Weight per Litter (g)	39.73 ± 0.96 (24)	39.56 ± 1.05 (23)	37.39 ± 0.83 (22)	37.13 ± 1.49 (15)
Female Fetal Weight per Litter (g)	37.17 ± 0.98 (24)	38.24 ± 0.83 (23)	37.61 ± 0.80 (21)	35.53 ± 1.44 (16)
Gravid Uterus Weight				
Gravid Uterus Weight (g)	491.97 ± 15.51 (24)	471.69 ± 19.67 (23)	473.39 ± 17.01 (22)	461.36 ± 22.03 (16)
Terminal Body Weight (g)	3383.4 ± 45.3 (24)	3461.5 ± 42.3 (23)	3430.8 ± 39.0 (22)	3336.6 ± 56.2 (16)
Adjusted Body Weight (g)	2891.44 ± 42.95 (24)	2989.77 ± 37.86 (23)	2957.41 ± 32.40 (22)	2875.21 ± 41.83 (16)

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LEGEND

Values are reported per litter as mean \pm SEM (N)

Calculated values do not include non-pregnant animals, those that did not survive to terminal sacrifice, or those that delivered prior to c-section being performed.

Fetal weight endpoints and percent live male fetuses endpoints are the mean values of the litter means.

Dams that had whole litter resorptions are not included in the litter analysis.

Unsexed fetuses were included for litter size calculations but were excluded from fetal weight calculations and from the percent male calculation.

Dams where the number of implants was greater than the number of corpora lutea were assigned a percent pre-implantation loss of 0.

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 $P \leq 0.01$

Statistical analysis of Pregnant Females performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests. No statistical tests were performed on the Mated Females or Pregnant Females Examined on GD29 endpoints.

Statistical analysis for Pre-implantation Loss and Live Fetuses endpoints was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Whole litter resorptions analyzed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests. All "per litter" and implantation loss endpoints analyzed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the Fetal Weight and Gravid Uterus Weight endpoints was performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Fetal Weight (adjusted) is fetal weights adjusted for litter size. Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

All Cochran-Armitage (trend) and Fisher Exact (pairwise) are reported as two-sided tests.

**** END OF REPORT ****