

Study Number: R16011

Test Type: Teratology

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

R11: Fetal Defect Summary

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

CAS Number: 95737-68-1

R16011

Female

See web page for date of PWG Approval

Date Report Requested: 10/22/2019

Time Report Requested: 11:15:29

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F0 Female					
Treatment Groups (mg/kg/day)					
	0	62.5	125	250	500
All Exams					
No. Fetuses	314	286	290	265	318
No. Litters	23	20	21	20	22
Malformation					
Affected fetuses	24 (7.64) ##	22 (7.69)	10 (3.45) #	17 (6.42)	9 (2.83) ##
Affected litters	16 (69.57)	14 (70.00)	9 (42.86)	13 (65.00)	8 (36.36)
Variation					
Affected fetuses	43 (13.69)	40 (13.99)	28 (9.66)	29 (10.94)	35 (11.01)
Affected litters	19 (82.61)	16 (80.00)	15 (71.43)	15 (75.00)	13 (59.09)
Gross Finding					
Affected fetuses	0 (0.00)	2 (0.70)	0 (0.00)	1 (0.38)	0 (0.00)
Affected litters	0 (0.00)	2 (10.00)	0 (0.00)	1 (5.00)	0 (0.00)
External					
No. Fetuses	314	286	290	265	318
No. Litters	23	20	21	20	22
Malformation					
Affected fetuses	0 (0.00)	0 (0.00)	1 (0.34)	1 (0.38)	0 (0.00)
Affected litters	0 (0.00)	0 (0.00)	1 (4.76)	1 (5.00)	0 (0.00)
Gross Finding					
Affected fetuses	0 (0.00)	1 (0.35)	0 (0.00)	1 (0.38)	0 (0.00)
Affected litters	0 (0.00)	1 (5.00)	0 (0.00)	1 (5.00)	0 (0.00)

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F0 Female					
Treatment Groups (mg/kg/day)					
	0	62.5	125	250	500
Visceral					
No. Fetuses	314	286	290	265	318
No. Litters	23	20	21	20	22
Malformation					
Affected fetuses	11 (3.50)	14 (4.90)	5 (1.72)	15 (5.66)	8 (2.52)
Affected litters	10 (43.48)	11 (55.00)	5 (23.81)	11 (55.00)	7 (31.82)
Variation					
Affected fetuses	28 (8.92)	23 (8.04)	21 (7.24)	20 (7.55)	24 (7.55)
Affected litters	15 (65.22)	12 (60.00)	12 (57.14)	12 (60.00)	10 (45.45)
Head					
No. Fetuses	163	147	148	138	163
No. Litters	23	20	21	20	22

NO VISIBLE LESIONS PRESENT

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F0 Female					
Treatment Groups (mg/kg/day)					
	0	62.5	125	250	500
Skeletal - Body					
No. Fetuses	314	286	290	264	317
No. Litters	23	20	21	20	22
Malformation					
Affected fetuses	15 (4.78) ##	8 (2.80)	4 (1.38) #	1 (0.38) ##	1 (0.32) ##
Affected litters	12 (52.17)	7 (35.00)	4 (19.05)	1 (5.00)	1 (4.55)
Variation					
Affected fetuses	14 (4.46)	17 (5.94)	7 (2.41)	8 (3.03)	10 (3.15)
Affected litters	8 (34.78)	10 (50.00)	6 (28.57)	4 (20.00)	6 (27.27)
Skeletal - Skull					
No. Fetuses	151	138	142	126	154
No. Litters	23	20	20	20	22
Variation					
Affected fetuses	2 (1.32)	0 (0.00)	0 (0.00)	3 (2.38)	4 (2.60)
Affected litters	2 (8.70)	0 (0.00)	0 (0.00)	2 (10.00)	4 (18.18)
Placental					
No. Fetuses	314	286	290	265	318
No. Litters	23	20	21	20	22
Gross Finding					
Affected fetuses	0 (0.00)	1 (0.35)	0 (0.00)	0 (0.00)	0 (0.00)
Affected litters	0 (0.00)	1 (5.00)	0 (0.00)	0 (0.00)	0 (0.00)

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LEGEND

Upper row denotes number of affected fetuses (%) and lower row the number of affected litters (%)

Trend and pairwise significance levels are determined using one-sided tests.

Statistical analysis for fetal data including litter effects were performed by using a Rao-Scott modification to the Cochran-Armitage test where the Dam ID was the random effect for both trend and pairwise analysis.

Statistically significant at $P \leq 0.05$ (litter based analysis)

Statistically significant at $P \leq 0.01$ (litter based analysis)

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

**** END OF REPORT ****