

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date:

Version:

I05P: Pup Clinical Observations Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

C94043-03

Both

See web page for date of PWG Approval

v1.1.3

Date Report Requested: 12/18/2020

Time Report Requested: 10:27:11

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F1 Pups

Treatment Groups (mg/L)

	0	31.3	62.5	125	250	500
Total Pups (PND 0)	208	156	201	207	140	137
No. pups post cull (PND 4)	120	96	112	112	82	54
Total Litters (PND 0)	16	14	16	16	12	13
No. litters post cull (PND 4)	15	12	14	14	11	8

Pup Clinical Observations PND 0-4

Bruising	1 (0.5)	0	0	0	0	0
Dorsum	1 (6.2)	0	0	0	0	0
	PND 4					
Bruising	1 (0.5)	0	0	0	0	0
Thorax	1 (6.2)	0	0	0	0	0
	PND 4					
Cold To Touch	0	0	1 (0.5)	0	0	9 (6.6)
	0	0	1 (6.2)	0	0	2 (15.4)
			PND 4			PND 4
Damaged	1 (0.5)	0	1 (0.5)	0	0	0
Tail	1 (6.2)	0	1 (6.2)	0	0	0
	PND 4		PND 4			
Discolored	0	0	0	1 (0.5)	0	0
Tip of Tail; Red	0	0	0	1 (6.2)	0	0
				PND 4		

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Treatment Groups (mg/L)

	0	31.3	62.5	125	250	500
Lethargic	0	0	0	0	0	6 (4.4)
	0	0	0	0	0	1 (7.7)
						PND 4
Milk Band Absent	1 (0.5)	1 (0.6)	3 (1.5)	2 (1.0)	2 (1.4)	9 (6.6)
Abdomen	1 (6.2)	1 (7.1)	3 (18.8)	2 (12.5)	1 (8.3)	2 (15.4)
	PND 4	PND 4	PND 4	PND 4	PND 4	PND 4
Thin	0	0	0	0	0	9 (6.6)
	0	0	0	0	0	2 (15.4)
						PND 4
Wound	0	0	0	0	0	1 (0.7)
Nose/Snout; Right	0	0	0	0	0	1 (7.7)
						PND 4
Pup Clinical Observations PND 5-28						
Abnormal Posture	0	0	0	0	1 (1.2)	0
	0	0	0	0	1 (9.1)	0
					PND 28	
Breathing, gasping	0	0	1 (0.9)	0	0	0
	0	0	1 (7.1)	0	0	0
			PND 9			

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F1 Pups

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
Coat Ruffled	0	0	0	1 (0.9)	9 (11.0)	19 (35.2)
	0	0	0	1 (7.1)	4 (36.4)	5 (62.5)
				PND 24	PND 22-27	PND 18-28
Cold To Touch	0	0	1 (0.9)	0	1 (1.2)	8 (14.8)
	0	0	1 (7.1)	0	1 (9.1)	3 (37.5)
			PND 5		PND 16	PND 5-7
Discharge	1 (0.8)	1 (1.0)	4 (3.6)	4 (3.6)	2 (2.4)	2 (3.7)
Eye; Red	1 (6.7)	1 (8.3)	2 (14.3)	2 (14.3)	2 (18.2)	2 (25.0)
	PND 18-28	PND 27	PND 16-28	PND 18-28	PND 26-27	PND 25-27
Discharge	0	0	0	71 (63.4)	0	0
Nose/Snout; Brown	0	0	0	13 (92.9)	0	0
				PND 5-7		
Discharge	14 (11.7)	14 (14.6)	18 (16.1)	24 (21.4)	23 (28.0)	10 (18.5)
Nose/Snout; Red	9 (60.0)	8 (66.7)	8 (57.1)	11 (78.6)	10 (90.9)	4 (50.0)
	PND 18-28	PND 18-27	PND 18-27	PND 22-28	PND 21-28	PND 18-28
Eye Abnormality	0	0	1 (0.9)	0	0	0
Left	0	0	1 (7.1)	0	0	0
			PND 21-28			
Eye Abnormality	0	0	1 (0.9)	0	0	0
Right	0	0	1 (7.1)	0	0	0
			PND 25-28			

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F1 Pups

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
Feces	0	0	0	0	0	7 (13.0)
Liquid	0	0	0	0	0	4 (50.0) PND 18-28
Feces	2 (1.7)	0	0	0	0	1 (1.9)
Soft	2 (13.3) PND 19	0	0	0	0	1 (12.5) PND 22-25
Hunched	0	0	0	0	0	2 (3.7)
	0	0	0	0	0	1 (12.5) PND 23-25
Hypoactivity	0	0	0	0	0	1 (1.9)
	0	0	0	0	0	1 (12.5) PND 24
Kinked	2 (1.7)	4 (4.2)	0	24 (21.4)	11 (13.4)	7 (13.0)
Tail	2 (13.3) PND 13-28	2 (16.7) PND 8-28	0	9 (64.3) PND 10-28	6 (54.5) PND 10-28	4 (50.0) PND 12-28
Lethargic	0	0	0	0	0	5 (9.3)
	0	0	0	0	0	4 (50.0) PND 5-20
Mass	0	0	0	0	1 (1.2)	0
Head; Right	0	0	0	0	1 (9.1) PND 10-12	0

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F1 Pups

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
Milk Band Absent	0	0	2 (1.8)	0	0	7 (13.0)
Abdomen	0	0	1 (7.1) PND 8-9	0	0	2 (25.0) PND 5-7
Pale	0	0	0	0	0	22 (40.7)
	0	0	0	0	0	3 (37.5) PND 28
Scab	0	0	1 (0.9)	0	0	0
Dorsum	0	0	1 (7.1) PND 11-17	0	0	0
Scab	0	0	1 (0.9)	0	0	0
Face; Right	0	0	1 (7.1) PND 12	0	0	0
Scab	0	0	2 (1.8)	0	0	0
Face	0	0	1 (7.1) PND 11-17	0	0	0
Scab	0	0	1 (0.9)	0	0	0
Head; Left	0	0	1 (7.1) PND 11-17	0	0	0
Scab	0	0	1 (0.9)	0	0	0
Head; Right	0	0	1 (7.1) PND 10-11	0	0	0

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F1 Pups

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
Scab	0	0	2 (1.8)	0	1 (1.2)	1 (1.9)
Head	0	0	1 (7.1)	0	1 (9.1)	1 (12.5)
			PND 11-17		PND 22-25	PND 28
Scab	0	0	1 (0.9)	0	0	0
Hind Limb; Right	0	0	1 (7.1)	0	0	0
			PND 12-17			
Stained	0	0	0	0	0	2 (3.7)
Abdomen	0	0	0	0	0	1 (12.5)
						PND 22-25
Stained	0	0	0	1 (0.9)	0	1 (1.9)
Anus	0	0	0	1 (7.1)	0	1 (12.5)
				PND 25-27		PND 22-24
Thin	0	0	0	0	1 (1.2)	10 (18.5)
	0	0	0	0	1 (9.1)	5 (62.5)
					PND 16	PND 5-25
Wound	1 (0.8)	0	0	0	0	0
Tail; Bilateral	1 (6.7)	0	0	0	0	0
	PND 13-15					
Wound	0	0	1 (0.9)	0	0	0
Tail	0	0	1 (7.1)	0	0	0
			PND 5			

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LEGEND

Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row denotes the pup incidence N (%)

Middle row denotes the litter incidence N (%)

Lower row denotes the range of postnatal days the finding was seen for the group

F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

No. live litters includes litters with ≥ 1 live pup

Percent incidence calculated using number of live pups or litters on PND 0 (pre cull) or PND 4 (post cull)

PND - Postnatal Day, pups pre-weaning

**** END OF REPORT ****