

Study Number: C08004-03
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

I05: Clinical Observations Summary

Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 02/04/2021
Time Report Requested: 09:36:01
Lab: Battelle

Study Number: C08004-03
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.1.7

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F0 Female

Phase	Observation	Treatment Groups (mg/L)					
		0	21.0	41.9	83.8	168	335
GD	Coat Ruffled	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 16 GD 23
GD	Cold To Touch	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 16 GD 23
GD	Discharge Eye; Left, Red	0 / 15	0 / 16	0 / 16	1 / 16 GD 19	0 / 15	0 / 16
GD	Discharge Vagina; Red	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 16 GD 23
GD	Feces Soft	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 16 GD 21
GD	Lethargic	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 16 GD 23
GD	Mass Thorax; Right	0 / 15	0 / 16	0 / 16	0 / 16	1 / 15 GD 15	0 / 16
GD	Pale	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 16 GD 23
LD	Bruising Abdomen	0 / 15	0 / 16	0 / 16	1 / 16 LD 18	0 / 15	0 / 15
LD	Coat Ruffled	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	1 / 15 LD 1

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F0 Female

Phase	Observation	Treatment Groups (mg/L)					
		0	21.0	41.9	83.8	168	335
LD	Discharge Nose/Snout; Red	3 / 15 LD 13	3 / 16 LD 4	6 / 16 LD 11	7 / 16 LD 2	5 / 15 LD 10	6 / 15 LD 2
LD	Discharge Vagina; Red	0 / 15	0 / 16	0 / 16	2 / 16 LD 2	2 / 15 LD 1	0 / 15
LD	Discolored Ear; Red	0 / 15	0 / 16	0 / 16	1 / 16 LD 14	0 / 15	0 / 15
LD	Feces Liquid	0 / 15	0 / 16	0 / 16	0 / 16	1 / 15 LD 25	0 / 15
LD	Feces Soft	6 / 15 LD 9	4 / 16 LD 13	4 / 16 LD 10	3 / 16 LD 18	5 / 15 LD 18	6 / 15 LD 4
LD	Loose Feces	0 / 15	0 / 16	0 / 16	0 / 16	0 / 15	2 / 15 LD 13
LD	Mass Thorax; Left	0 / 15	0 / 16	0 / 16	0 / 16	1 / 15 LD 14	0 / 15
LD	Mass Thorax; Right	0 / 15	0 / 16	0 / 16	0 / 16	1 / 15 LD 1	0 / 15

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F1 Male: All F1 Animals

Phase	Observation	Treatment Groups (mg/L)					
		0	21.0	41.9	83.8	168	335
PND	Discharge Eye; Bilateral, Red	0 / 15	0 / 15	0 / 15	0 / 14	1 / 15 PND 91	0 / 15
PND	Discharge Eye; Red, Right	0 / 15	0 / 15	0 / 15	3 / 14 PND 77	1 / 15 PND 91	0 / 15
PND	Discharge Nose/Snout; Bilateral, Red	0 / 15	0 / 15	0 / 15	1 / 14 PND 70	1 / 15 PND 98	1 / 15 PND 112
PND	Discharge Nose/Snout; Red	1 / 15 PND 98	0 / 15	1 / 15 PND 49	4 / 14 PND 56	2 / 15 PND 70	0 / 15
PND	Discharge Nose/Snout; Red, Right	0 / 15	0 / 15	0 / 15	0 / 14	0 / 15	1 / 15 PND 98
PND	Head Tilt	0 / 15	0 / 15	0 / 15	0 / 14	0 / 15	1 / 15 PND 91
PND	Lethargic	0 / 15	0 / 15	0 / 15	1 / 14 PND 112	0 / 15	0 / 15
PND	Mass Head; Hair-covered	0 / 15	0 / 15	0 / 15	1 / 14 PND 70	0 / 15	0 / 15
PND	Thin	0 / 15	0 / 15	0 / 15	1 / 14 PND 91	0 / 15	0 / 15
PND	Wound Head; Right	0 / 15	0 / 15	0 / 15	0 / 14	0 / 15	1 / 15 PND 91

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F1 Female: All F1 Animals

Phase	Observation	Treatment Groups (mg/L)					
		0	21.0	41.9	83.8	168	335
PND	Discharge Eye; Red, Right	0 / 15	1 / 15 PND 28	0 / 15	0 / 14	0 / 15	0 / 15
PND	Discharge Nose/Snout; Bilateral, Red	0 / 15	0 / 15	0 / 15	1 / 14 PND 98	0 / 15	0 / 15
PND	Discharge Nose/Snout; Red	0 / 15	1 / 15 PND 63	1 / 15 PND 49	0 / 14	0 / 15	1 / 15 PND 77
PND	Kinked Tail	1 / 15 PND 28	2 / 15 PND 28	1 / 15 PND 28	1 / 14 PND 42	6 / 15 PND 28	6 / 15 PND 28

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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 displays cumulative number of animals with observation / total animals started on study for SD days, total number of pregnant animals for GD days, or total number of littered females for LD days.

Lower row displays day of observation onset

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

Females listed as SD were not pregnant.

The male All F1 Animals includes the male F1 Core Animals, the male F1 Interim Animals until removal on PND 28, and the male F1 Biosample Animals until removal on PND 114 through 120. The female All F1 Animals includes the female F1 Core Animals, the female F1 Interim Animals until removal on PND 28, and the female F1 Biosample Animals until removal on PND 117 through 119.

**** END OF REPORT ****