

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

I08: Mean Test Compound Consumption

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/04/2021

Time Report Requested: 05:59:13

Lab: Battelle

Study Number:

C08004-03

Study Gender:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.2.9

Stat Version:

S

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F0 Females

Treatment Groups (mg/L)

Phase	Days	0		21		41.9		83.8		168	
		Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N
Gestation	6 - 9	0.0 ± 0.0	15	2.7 ± 0.1	16	5.5 ± 0.1	16	10.5 ± 0.4	16	17.7 ± 0.5	14
	9 - 12	0.0 ± 0.0	15	2.8 ± 0.1	16	5.7 ± 0.2	16	10.8 ± 0.5	16	17.8 ± 0.5	15
	12 - 15	0.0 ± 0.0	15	2.6 ± 0.1	16	5.5 ± 0.2	16	9.9 ± 0.3	16	16.6 ± 0.6	15
	15 - 18	0.0 ± 0.0	15	3.2 ± 0.1	16	6.8 ± 0.3	16	12.0 ± 0.5	16	21.7 ± 0.7	15
	18 - 21	0.0 ± 0.0	15	2.7 ± 0.1	16	5.7 ± 0.3	16	10.1 ± 0.4	16	18.2 ± 0.7	15
	6 - 21	0.0 ± 0.0	15	2.8 ± 0.1	16	5.8 ± 0.2	16	10.6 ± 0.4	16	18.3 ± 0.5	15
Lactation	1 - 4	0.0 ± 0.0	15	3.7 ± 0.1	16	7.1 ± 0.3	16	13.7 ± 0.5	16	27.8 ± 0.9	15
	4 - 7	0.0 ± 0.0	15	3.9 ± 0.1	16	8.1 ± 0.2	15	16.2 ± 0.3	15	29.8 ± 0.9	15
	7 - 10	0.0 ± 0.0	15	4.5 ± 0.1	16	9.5 ± 0.3	15	19.4 ± 0.5	15	35.4 ± 1.0	15
	10 - 13	0.0 ± 0.0	15	5.3 ± 0.1	16	10.5 ± 0.3	15	20.8 ± 0.6	15	38.2 ± 1.4	15
	1 - 13	0.0 ± 0.0	15	4.4 ± 0.1	16	8.9 ± 0.2	15	17.7 ± 0.4	15	33.0 ± 0.9	15

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F0 Females

Phase	Days	Treatment Groups (mg/L)	
		335	
		Dose/Day (mg/kg/day)	N
Gestation	6 - 9	29.3 ± 1.2	16
	9 - 12	30.2 ± 1.0	16
	12 - 15	27.5 ± 1.0	16
	15 - 18	37.7 ± 1.0	16
	18 - 21	32.4 ± 0.9	16
	6 - 21	31.3 ± 0.9	16
Lactation	1 - 4	52.6 ± 1.8	15
	4 - 7	57.5 ± 1.3	15
	7 - 10	67.1 ± 1.6	15
	10 - 13	72.0 ± 1.7	15
	1 - 13	62.8 ± 1.3	15

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F1 Males: All F1 Animals

Treatment Groups (mg/L)

Phase	Days	0		21		41.9		83.8		168	
		Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N
Postnatal	28 - 35	0.0 ± 0.0	9	3.2 ± 0.2	9	6.8 ± 0.3	10	13.5 ± 0.9	9	27.3 ± 0.5	11
	35 - 42	0.0 ± 0.0	9	3.7 ± 0.2	9	7.4 ± 0.2	10	14.4 ± 0.8	10	28.5 ± 0.8	11
	42 - 49	0.0 ± 0.0	9	3.3 ± 0.1	9	6.3 ± 0.2	10	12.5 ± 0.5	10	24.7 ± 0.6	11
	49 - 56	0.0 ± 0.0	9	2.8 ± 0.1	9	5.4 ± 0.2	10	10.4 ± 0.3	10	19.8 ± 0.5	11
	56 - 63	0.0 ± 0.0	9	2.2 ± 0.1	9	4.4 ± 0.1	10	8.4 ± 0.3	10	16.6 ± 0.5	11
	63 - 70	0.0 ± 0.0	9	1.9 ± 0.1	9	3.8 ± 0.2	10	7.3 ± 0.2	10	13.8 ± 0.3	11
	70 - 77	0.0 ± 0.0	9	1.7 ± 0.0	9	3.4 ± 0.1	10	6.6 ± 0.2	10	12.2 ± 0.3	11
	77 - 84	0.0 ± 0.0	9	1.6 ± 0.1	9	3.2 ± 0.1	10	6.0 ± 0.2	10	11.4 ± 0.3	11
	84 - 91	0.0 ± 0.0	9	1.5 ± 0.0	9	2.8 ± 0.1	10	5.5 ± 0.2	10	10.5 ± 0.2	11
	91 - 98	0.0 ± 0.0	9	1.4 ± 0.0	9	2.6 ± 0.1	10	5.1 ± 0.3	10	9.7 ± 0.2	11
	98 - 105	0.0 ± 0.0	9	1.3 ± 0.0	9	2.5 ± 0.1	10	4.7 ± 0.1	10	9.0 ± 0.2	11
	105 - 112	0.0 ± 0.0	9	1.2 ± 0.0	9	2.4 ± 0.1	10	4.6 ± 0.2	10	8.7 ± 0.2	11
28 - 112	0.0 ± 0.0	9	1.9 ± 0.1	9	3.7 ± 0.1	10	7.2 ± 0.2	10	13.9 ± 0.3	11	

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Lab: Battelle

F1 Males: All F1 Animals

Phase	Days	Treatment Groups (mg/L)	
		335	N
		Dose/Day (mg/kg/day)	N
Postnatal	28 - 35	48.0 ± 1.0	9
	35 - 42	50.3 ± 0.8	9
	42 - 49	43.2 ± 0.9	9
	49 - 56	37.7 ± 0.9	9
	56 - 63	30.6 ± 0.8	9
	63 - 70	25.8 ± 0.5	9
	70 - 77	22.6 ± 0.4	9
	77 - 84	21.2 ± 0.4	9
	84 - 91	19.2 ± 0.3	9
	91 - 98	18.1 ± 0.3	9
	98 - 105	15.9 ± 0.2	9
	105 - 112	15.8 ± 0.2	9
	28 - 112	25.2 ± 0.3	9

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Treatment Groups (mg/L)

Phase	Days	0		21		41.9		83.8		168	
		Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N	Dose/Day (mg/kg/day)	N
Postnatal	28 - 35	0.0 ± 0.0	6	3.3 ± 0.2	6	7.2 ± 0.3	9	14.4 ± 0.7	8	27.6 ± 1.2	8
	35 - 42	0.0 ± 0.0	6	3.6 ± 0.1	6	7.3 ± 0.4	9	15.8 ± 0.8	8	29.6 ± 1.6	8
	42 - 49	0.0 ± 0.0	6	2.9 ± 0.1	6	6.0 ± 0.2	9	12.7 ± 0.6	8	26.3 ± 0.8	8
	49 - 56	0.0 ± 0.0	6	2.6 ± 0.1	6	5.2 ± 0.2	9	10.5 ± 0.4	8	21.6 ± 1.0	8
	56 - 63	0.0 ± 0.0	6	2.1 ± 0.1	6	4.5 ± 0.1	9	9.0 ± 0.3	8	17.5 ± 0.7	8
	63 - 70	0.0 ± 0.0	6	2.1 ± 0.1	6	4.5 ± 0.2	9	8.9 ± 0.3	8	16.2 ± 0.6	8
	70 - 77	0.0 ± 0.0	6	2.0 ± 0.1	6	4.1 ± 0.1	9	8.4 ± 0.4	8	16.3 ± 0.5	8
	77 - 84	0.0 ± 0.0	6	1.8 ± 0.1	6	4.0 ± 0.2	9	8.0 ± 0.4	8	14.4 ± 0.5	8
	84 - 91	0.0 ± 0.0	6	1.7 ± 0.1	6	3.6 ± 0.1	9	7.5 ± 0.4	8	13.2 ± 0.5	8
	91 - 98	0.0 ± 0.0	6	1.6 ± 0.1	6	3.7 ± 0.2	9	7.5 ± 0.6	8	13.2 ± 0.7	8
	98 - 105	0.0 ± 0.0	6	1.5 ± 0.1	6	3.4 ± 0.1	9	7.0 ± 0.4	8	12.3 ± 0.5	8
	105 - 112	0.0 ± 0.0	6	1.5 ± 0.2	6	3.4 ± 0.2	9	7.3 ± 0.6	8	12.7 ± 0.7	8
28 - 112	0.0 ± 0.0	6	2.1 ± 0.1	6	4.5 ± 0.1	9	9.2 ± 0.4	8	17.1 ± 0.6	8	

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F1 Females: All F1 Animals

Phase	Days	Treatment Groups (mg/L)	
		335	
		Dose/Day (mg/kg/day)	N
Postnatal	28 - 35	50.3 ± 2.5	7
	35 - 42	52.0 ± 2.4	7
	42 - 49	46.5 ± 1.7	7
	49 - 56	38.8 ± 1.1	7
	56 - 63	31.4 ± 1.4	7
	63 - 70	29.3 ± 1.1	7
	70 - 77	26.4 ± 0.8	7
	77 - 84	26.3 ± 1.2	7
	84 - 91	23.6 ± 0.9	7
	91 - 98	24.7 ± 0.9	7
	98 - 105	20.6 ± 0.7	7
	105 - 112	20.5 ± 1.0	7
	28 - 112	29.9 ± 1.0	7

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LEGEND

Reported as the mean \pm SEM. N is the number of animals.

Chemical intake values were excluded when excessive spillage was recorded.

For post-weaning F1 animals, All F1 Animals includes F1 Core and F1 Biosampling animals.

Statistical analysis was not performed on this data.

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

**** END OF REPORT ****