

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

PA06: Organ Weights Summary
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/02/2021
Time Report Requested: 07:22:07
Lab: Battelle

Study Number: C08004-03
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.8
Stat Version: S

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

F1 Males: F1 Core Animals

	Treatment Groups (mg/L)														
	0			21			41.9			83.8			168		
Terminal Body Wt. (g)	458.3	± 14.3	(10)	474.3	± 12.7	(10)	460.7	± 9.7	(10)	466.5	± 14.0	(10)	448.2	± 10.0	(10)
R. Epididymis															
Absolute (g)	0.6587	± 0.0149	(10)	0.6994	± 0.0165	(10)	0.6863	± 0.0186	(10)	0.6916	± 0.0132	(10)	0.6665	± 0.0083	(10)
Relative (mg/g)	1.44	± 0.03	(10)	1.48	± 0.05	(10)	1.50	± 0.05	(10)	1.49	± 0.05	(10)	1.49	± 0.04	(10)
L. Epididymis															
Absolute (g)	0.6709	± 0.0110	(10)	0.6945	± 0.0176	(10)	0.6848	± 0.0145	(10)	0.7302	± 0.0179	(10) *	0.6892	± 0.0121	(10)
Relative (mg/g)	1.47	± 0.04	(10) **	1.47	± 0.05	(10)	1.49	± 0.04	(10)	1.57	± 0.04	(10)	1.54	± 0.04	(10)
Heart															
Absolute (g)	1.59	± 0.07	(10)	1.65	± 0.04	(10)	1.62	± 0.05	(10)	1.58	± 0.05	(10)	1.59	± 0.05	(10)
Relative (mg/g)	3.45	± 0.07	(10) *	3.49	± 0.10	(10)	3.51	± 0.06	(10)	3.39	± 0.05	(10)	3.55	± 0.07	(10)
R. Kidney															
Absolute (g)	1.48	± 0.04	(10)	1.57	± 0.05	(10)	1.49	± 0.03	(10)	1.55	± 0.05	(10)	1.57	± 0.05	(10)
Relative (mg/g)	3.23	± 0.05	(10) **	3.31	± 0.06	(10)	3.23	± 0.05	(10)	3.32	± 0.08	(10)	3.49	± 0.08	(10) *
L. Kidney															
Absolute (g)	1.44	± 0.04	(10) *	1.58	± 0.06	(10)	1.49	± 0.04	(10)	1.55	± 0.04	(10)	1.53	± 0.05	(10)
Relative (mg/g)	3.16	± 0.05	(10) **	3.32	± 0.07	(10)	3.24	± 0.04	(10)	3.32	± 0.09	(10)	3.42	± 0.07	(10) *
Liver															
Absolute (g)	18.13	± 0.56	(10)	19.59	± 0.92	(10)	19.19	± 0.62	(10)	18.63	± 0.69	(10)	18.24	± 0.76	(10)
Relative (mg/g)	39.61	± 0.67	(10)	41.18	± 1.20	(10)	41.66	± 1.11	(10)	39.97	± 1.03	(10)	40.65	± 1.21	(10)
Lung															
Absolute (g)	2.46	± 0.12	(10)	2.41	± 0.16	(10)	2.56	± 0.11	(10)	2.40	± 0.11	(10)	2.25	± 0.08	(10)
Relative (mg/g)	5.39	± 0.22	(10)	5.09	± 0.31	(10)	5.56	± 0.21	(10)	5.16	± 0.22	(10)	5.01	± 0.14	(10)
R. Testis															
Absolute (g)	2.068	± 0.044	(10)	2.095	± 0.045	(10)	2.091	± 0.043	(10)	2.109	± 0.036	(10)	2.051	± 0.030	(10)
Relative (mg/g)	4.54	± 0.13	(10) *	4.43	± 0.07	(10)	4.55	± 0.11	(10)	4.55	± 0.11	(10)	4.59	± 0.09	(10)
L. Testis															
Absolute (g)	2.109	± 0.046	(10)	2.099	± 0.039	(10)	2.082	± 0.029	(10)	2.161	± 0.040	(10)	2.073	± 0.035	(10)
Relative (mg/g)	4.63	± 0.13	(10) **	4.44	± 0.09	(10)	4.53	± 0.08	(10)	4.66	± 0.12	(10)	4.64	± 0.10	(10)

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)

	0	21	41.9	83.8	168
Thymus					
Absolute (g)	0.516 ± 0.045 (10)	0.478 ± 0.014 (10)	0.481 ± 0.023 (10)	0.476 ± 0.028 (10)	0.489 ± 0.028 (10)
Relative (mg/g)	1.12 ± 0.08 (10)	1.02 ± 0.05 (10)	1.05 ± 0.05 (10)	1.02 ± 0.05 (10)	1.09 ± 0.06 (10)

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

F1 Males: F1 Core Animals

	Treatment Groups (mg/L)		
	335		
Terminal Body Wt. (g)	437.6	± 7.9	(10)
R. Epididymis			
Absolute (g)	0.6711	± 0.0109	(10)
Relative (mg/g)	1.54	± 0.04	(10)
L. Epididymis			
Absolute (g)	0.7109	± 0.0109	(10)
Relative (mg/g)	1.63	± 0.03	(10) *
Heart			
Absolute (g)	1.68	± 0.07	(10)
Relative (mg/g)	3.85	± 0.17	(10) *
R. Kidney			
Absolute (g)	1.61	± 0.05	(10)
Relative (mg/g)	3.69	± 0.08	(10) **
L. Kidney			
Absolute (g)	1.59	± 0.04	(10)
Relative (mg/g)	3.64	± 0.09	(10) **
Liver			
Absolute (g)	17.35	± 0.63	(10)
Relative (mg/g)	39.59	± 1.11	(10)
Lung			
Absolute (g)	2.36	± 0.10	(10)
Relative (mg/g)	5.39	± 0.18	(10)
R. Testis			
Absolute (g)	2.138	± 0.030	(10)
Relative (mg/g)	4.90	± 0.12	(10)
L. Testis			
Absolute (g)	2.165	± 0.035	(10)
Relative (mg/g)	4.96	± 0.11	(10) *

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)

335

Thymus

Absolute (g) 0.421 ± 0.017 (10)

Relative (mg/g) 0.96 ± 0.03 (10)

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

F1 Females: F1 Core Animals

	Treatment Groups (mg/L)														
	0			21			41.9			83.8			168		
Terminal Body Wt. (g)	270.0	± 8.4	(10)	270.3	± 5.3	(10)	289.5	± 6.9	(10)	270.6	± 5.6	(10)	284.2	± 5.6	(10)
Heart															
Absolute (g)	1.04	± 0.03	(10) *	1.06	± 0.03	(10)	1.13	± 0.02	(10)	1.06	± 0.02	(10)	1.15	± 0.03	(10) *
Relative (mg/g)	3.85	± 0.08	(10) *	3.92	± 0.07	(10)	3.91	± 0.05	(10)	3.91	± 0.06	(10)	4.05	± 0.09	(10)
R. Kidney															
Absolute (g)	0.89	± 0.04	(10) **	0.89	± 0.02	(10)	0.96	± 0.03	(10)	0.93	± 0.02	(10)	0.96	± 0.02	(10)
Relative (mg/g)	3.29	± 0.05	(10) **	3.28	± 0.04	(10)	3.31	± 0.09	(10)	3.44	± 0.04	(10)	3.38	± 0.05	(10)
L. Kidney															
Absolute (g)	0.87	± 0.03	(10) **	0.88	± 0.02	(10)	0.93	± 0.02	(10)	0.92	± 0.02	(10)	0.95	± 0.02	(10) *
Relative (mg/g)	3.20	± 0.04	(10) **	3.25	± 0.05	(10)	3.21	± 0.08	(10)	3.41	± 0.05	(10)	3.33	± 0.06	(10)
Liver															
Absolute (g)	9.87	± 0.48	(10)	9.89	± 0.27	(10)	11.02	± 0.45	(10)	10.63	± 0.42	(10)	10.84	± 0.27	(10)
Relative (mg/g)	36.44	± 0.87	(10) *	36.63	± 0.85	(10)	38.00	± 0.93	(10)	39.23	± 1.17	(10)	38.18	± 0.76	(10)
Lung															
Absolute (g)	2.03	± 0.12	(10)	2.00	± 0.10	(10)	2.29	± 0.11	(10)	2.26	± 0.12	(10)	2.11	± 0.10	(10)
Relative (mg/g)	7.46	± 0.21	(10)	7.44	± 0.40	(10)	7.93	± 0.37	(10)	8.34	± 0.43	(10)	7.42	± 0.31	(10)
R. Ovary															
Absolute (g)	0.0564 ± 0.0028 (10) **			0.0663 ± 0.0051 (10)			0.0660 ± 0.0045 (10)			0.0676 ± 0.0046 (10)			0.0722 ± 0.0022 (10) *		
Relative (mg/g)	0.21 ± 0.01 (10) **			0.25 ± 0.02 (10)			0.23 ± 0.01 (10)			0.25 ± 0.02 (10)			0.25 ± 0.01 (10)		
L. Ovary															
Absolute (g)	0.0591 ± 0.0046 (10) *			0.0618 ± 0.0035 (10)			0.0691 ± 0.0050 (10)			0.0681 ± 0.0036 (10)			0.0725 ± 0.0037 (10)		
Relative (mg/g)	0.22 ± 0.02 (10)			0.23 ± 0.01 (10)			0.24 ± 0.02 (10)			0.25 ± 0.01 (10)			0.26 ± 0.01 (10)		
Thymus															
Absolute (g)	0.313 ± 0.017 (10)			0.326 ± 0.020 (10)			0.357 ± 0.015 (10)			0.354 ± 0.015 (10)			0.374 ± 0.019 (10)		
Relative (mg/g)	1.17 ± 0.07 (10)			1.21 ± 0.07 (10)			1.24 ± 0.05 (10)			1.31 ± 0.06 (10)			1.31 ± 0.05 (10)		

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

F1 Females: F1 Core Animals

	Treatment Groups (mg/L)		
	335		
Terminal Body Wt. (g)	271.2	± 3.8	(10)
Heart			
Absolute (g)	1.10	± 0.02	(10)
Relative (mg/g)	4.06	± 0.06	(10)
R. Kidney			
Absolute (g)	0.97	± 0.01	(10) *
Relative (mg/g)	3.57	± 0.07	(10) **
L. Kidney			
Absolute (g)	0.95	± 0.01	(10) *
Relative (mg/g)	3.50	± 0.06	(10) **
Liver			
Absolute (g)	10.40	± 0.27	(10)
Relative (mg/g)	38.33	± 0.78	(10)
Lung			
Absolute (g)	1.93	± 0.10	(10)
Relative (mg/g)	7.12	± 0.38	(10)
R. Ovary			
Absolute (g)	0.0712	± 0.0060	(10) *
Relative (mg/g)	0.26	± 0.02	(10) *
L. Ovary			
Absolute (g)	0.0656	± 0.0058	(10)
Relative (mg/g)	0.24	± 0.02	(10)
Thymus			
Absolute (g)	0.317	± 0.012	(10)
Relative (mg/g)	1.17	± 0.04	(10)

Study Number: C08004-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:07

Lab: Battelle

LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

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 $P \leq 0.01$

**** END OF REPORT ****