

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:

Stat Version:

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

C94043-03

Both

See web page for date of PWG Approval

v1.2.8

S

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

F1 Males: F1 Core Animals

	Treatment Groups (mg/L)														
	0			31.3			62.5			125			250		
Terminal Body Wt. (g)	466.5	± 7.5	(10) **	460.3	± 8.8	(10)	469.8	± 8.2	(10)	431.3	± 9.7	(10) *	418.5	± 9.1	(10) **
R. Epididymis															
Absolute (g)	0.7086	± 0.0272	(10) **	0.7185	± 0.0251	(10)	0.6998	± 0.0119	(10)	0.6680	± 0.0196	(10)	0.6657	± 0.0182	(10)
Relative (mg/g)	1.52	± 0.07	(10) **	1.57	± 0.07	(10)	1.49	± 0.03	(10)	1.55	± 0.03	(10)	1.59	± 0.04	(10)
L. Epididymis															
Absolute (g)	0.6670	± 0.0149	(10) **	0.7078	± 0.0195	(10)	0.6806	± 0.0182	(10)	0.6195	± 0.0157	(10)	0.6580	± 0.0169	(10)
Relative (mg/g)	1.43	± 0.04	(10) **	1.54	± 0.05	(10)	1.45	± 0.05	(10)	1.44	± 0.02	(10)	1.58	± 0.04	(10) *
Heart															
Absolute (g)	1.66	± 0.07	(10) **	1.64	± 0.03	(10)	1.72	± 0.09	(10)	1.52	± 0.04	(10)	1.48	± 0.05	(10) *
Relative (mg/g)	3.55	± 0.13	(10)	3.57	± 0.07	(10)	3.66	± 0.17	(10)	3.53	± 0.05	(10)	3.54	± 0.06	(10)
R. Kidney															
Absolute (g)	1.55	± 0.03	(10)	1.55	± 0.02	(10)	1.59	± 0.04	(10)	1.55	± 0.05	(10)	1.62	± 0.04	(10)
Relative (mg/g)	3.32	± 0.06	(10) **	3.38	± 0.06	(10)	3.40	± 0.09	(10)	3.58	± 0.09	(10)	3.87	± 0.08	(10) **
L. Kidney															
Absolute (g)	1.52	± 0.03	(10)	1.54	± 0.03	(10)	1.58	± 0.03	(10)	1.53	± 0.06	(10)	1.56	± 0.05	(10)
Relative (mg/g)	3.26	± 0.05	(10) **	3.35	± 0.05	(10)	3.37	± 0.09	(10)	3.54	± 0.09	(10)	3.72	± 0.06	(10) **
Liver															
Absolute (g)	18.35	± 0.46	(10) **	19.33	± 0.39	(10)	19.05	± 0.54	(10)	17.23	± 0.44	(10)	17.14	± 0.74	(10)
Relative (mg/g)	39.34	± 0.72	(10)	42.03	± 0.65	(10)	40.52	± 0.76	(10)	39.98	± 0.68	(10)	40.80	± 1.00	(10)
Lung															
Absolute (g)	2.43	± 0.08	(10) **	2.53	± 0.09	(10)	2.47	± 0.08	(10)	2.34	± 0.11	(10)	2.29	± 0.06	(10)
Relative (mg/g)	5.20	± 0.17	(10)	5.51	± 0.24	(10)	5.26	± 0.17	(10)	5.42	± 0.24	(10)	5.47	± 0.13	(10)
R. Testis															
Absolute (g)	2.102	± 0.047	(10) **	2.157	± 0.048	(10)	2.190	± 0.048	(10)	2.041	± 0.050	(10)	2.084	± 0.037	(10)
Relative (mg/g)	4.52	± 0.14	(10) **	4.70	± 0.12	(10)	4.67	± 0.12	(10)	4.74	± 0.11	(10)	4.99	± 0.11	(10) *
L. Testis															
Absolute (g)	2.139	± 0.028	(10) **	2.161	± 0.045	(10)	2.151	± 0.033	(10)	2.071	± 0.041	(10)	2.102	± 0.039	(10)
Relative (mg/g)	4.60	± 0.10	(10) **	4.70	± 0.11	(10)	4.59	± 0.09	(10)	4.81	± 0.11	(10)	5.04	± 0.13	(10) **

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)

	0	31.3	62.5	125	250
Thymus					
Absolute (g)	0.442 ± 0.021 (10)	0.408 ± 0.026 (10)	0.450 ± 0.022 (10)	0.409 ± 0.014 (10)	0.409 ± 0.019 (10)
Relative (mg/g)	0.95 ± 0.03 (10) **	0.88 ± 0.05 (10)	0.96 ± 0.04 (10)	0.95 ± 0.04 (10)	0.98 ± 0.04 (10)

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

F1 Males: F1 Core Animals

	Treatment Groups (mg/L)		
	500		
Terminal Body Wt. (g)	340.4	± 10.1	(12) **
R. Epididymis			
Absolute (g)	0.6248	± 0.0202	(12) **
Relative (mg/g)	1.84	± 0.04	(12) **
L. Epididymis			
Absolute (g)	0.5836	± 0.0132	(12) **
Relative (mg/g)	1.72	± 0.03	(12) **
Heart			
Absolute (g)	1.26	± 0.03	(12) **
Relative (mg/g)	3.70	± 0.05	(12)
R. Kidney			
Absolute (g)	1.42	± 0.05	(12)
Relative (mg/g)	4.19	± 0.12	(12) **
L. Kidney			
Absolute (g)	1.48	± 0.07	(12)
Relative (mg/g)	4.34	± 0.15	(12) **
Liver			
Absolute (g)	13.69	± 0.53	(12) **
Relative (mg/g)	40.14	± 0.67	(12)
Lung			
Absolute (g)	1.92	± 0.06	(12) **
Relative (mg/g)	5.68	± 0.17	(12)
R. Testis			
Absolute (g)	1.961	± 0.051	(12) *
Relative (mg/g)	5.78	± 0.12	(12) **
L. Testis			
Absolute (g)	1.982	± 0.045	(12) **
Relative (mg/g)	5.84	± 0.10	(12) **

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

F1 Males: F1 Core Animals

Treatment Groups (mg/L)

500

Thymus

Absolute (g)	0.384 ± 0.026 (12)
Relative (mg/g)	1.12 ± 0.05 (12) **

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

F1 Females: F1 Core Animals

	Treatment Groups (mg/L)														
	0			31.3			62.5			125			250		
Terminal Body Wt. (g)	264.8	± 1.4	(9) **	284.8	± 5.7	(10)	266.7	± 4.6	(10)	266.1	± 8.6	(10)	270.5	± 4.5	(10)
Heart															
Absolute (g)	1.03	± 0.02	(10) **	1.09	± 0.02	(10)	1.05	± 0.03	(10)	1.07	± 0.02	(10)	1.05	± 0.02	(10)
Relative (mg/g)	3.88	± 0.10	(9)	3.84	± 0.07	(10)	3.95	± 0.12	(10)	4.05	± 0.08	(10)	3.89	± 0.07	(10)
R. Kidney															
Absolute (g)	0.91	± 0.03	(10)	0.99	± 0.03	(10)	0.91	± 0.03	(10)	0.97	± 0.03	(10)	0.95	± 0.03	(10)
Relative (mg/g)	3.41	± 0.11	(9) **	3.47	± 0.09	(10)	3.43	± 0.09	(10)	3.65	± 0.10	(10)	3.51	± 0.08	(10)
L. Kidney															
Absolute (g)	0.88	± 0.02	(10)	0.95	± 0.03	(10)	0.90	± 0.02	(10)	0.96	± 0.03	(10)	0.95	± 0.03	(10)
Relative (mg/g)	3.28	± 0.07	(9) **	3.36	± 0.10	(10)	3.39	± 0.10	(10)	3.63	± 0.12	(10) *	3.49	± 0.08	(10) *
Liver															
Absolute (g)	9.92	± 0.30	(10) *	10.84	± 0.34	(10)	10.15	± 0.22	(10)	10.29	± 0.50	(10)	10.27	± 0.36	(10)
Relative (mg/g)	36.80	± 0.98	(9)	38.02	± 0.62	(10)	38.10	± 0.69	(10)	38.61	± 1.23	(10)	37.90	± 0.83	(10)
Lung															
Absolute (g)	1.87	± 0.05	(10)	1.90	± 0.10	(10)	1.81	± 0.06	(10)	1.85	± 0.10	(10)	1.90	± 0.11	(9)
Relative (mg/g)	7.02	± 0.24	(9)	6.68	± 0.35	(10)	6.79	± 0.22	(10)	6.94	± 0.29	(10)	7.03	± 0.37	(9)
R. Ovary															
Absolute (g)	0.0605 ± 0.0043	(10)		0.0585 ± 0.0028	(10)		0.0513 ± 0.0042	(10)		0.0568 ± 0.0042	(10)		0.0660 ± 0.0039	(10)	
Relative (mg/g)	0.22	± 0.02	(9)	0.21	± 0.01	(10)	0.19	± 0.02	(10)	0.21	± 0.01	(10)	0.24	± 0.01	(10)
L. Ovary															
Absolute (g)	0.0575 ± 0.0038	(10)		0.0595 ± 0.0027	(10)		0.0465 ± 0.0031	(10)		0.0602 ± 0.0046	(10)		0.0637 ± 0.0025	(10)	
Relative (mg/g)	0.21	± 0.02	(9)	0.21	± 0.01	(10)	0.17	± 0.01	(10)	0.23	± 0.02	(10)	0.24	± 0.01	(10)
Thymus															
Absolute (g)	0.318	± 0.012	(10)	0.320	± 0.015	(10)	0.316	± 0.011	(10)	0.294	± 0.013	(10)	0.316	± 0.020	(10)
Relative (mg/g)	1.23	± 0.04	(9)	1.12	± 0.04	(10)	1.19	± 0.04	(10)	1.11	± 0.06	(10)	1.17	± 0.06	(10)

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

Lab: Battelle

F1 Females: F1 Core Animals

Treatment Groups (mg/L)

500

Terminal Body Wt. (g)	234.9	± 3.8	(10) **
Heart			
Absolute (g)	0.90	± 0.02	(10) **
Relative (mg/g)	3.84	± 0.09	(10)
R. Kidney			
Absolute (g)	0.92	± 0.02	(10)
Relative (mg/g)	3.94	± 0.08	(10) **
L. Kidney			
Absolute (g)	0.89	± 0.02	(10)
Relative (mg/g)	3.80	± 0.05	(10) **
Liver			
Absolute (g)	9.13	± 0.22	(10)
Relative (mg/g)	38.85	± 0.64	(10)
Lung			
Absolute (g)	1.66	± 0.05	(10)
Relative (mg/g)	7.09	± 0.25	(10)
R. Ovary			
Absolute (g)	0.0520	± 0.0051	(10)
Relative (mg/g)	0.22	± 0.02	(10)
L. Ovary			
Absolute (g)	0.0502	± 0.0053	(10)
Relative (mg/g)	0.21	± 0.02	(10)
Thymus			
Absolute (g)	0.301	± 0.013	(10)
Relative (mg/g)	1.29	± 0.06	(10)

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 12:51:08

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 $P \leq 0.01$

The terminal bodyweight of one control female was excluded from analysis as outlier, along with the relative organ weight values for this animal.

The 500 mg/L group for the F1 Core animals contained multiple animals per litter, but all other groups contained only one animal per sex per litter. Litter-based methods were not used in the analysis of the F1 Core animals.

**** END OF REPORT ****