

Study Number: C02047-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

PA06: Organ Weights Summary

Test Compound: Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

C02047-01

Male

See web page for date of PWG Approval

Date Report Requested: 04/26/2019

Time Report Requested: 07:36:52

Lab: Battelle

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	Treatment Groups (mg/kg)														
	0			0.1			0.94			9.4			94.3		
Terminal Body Wt.	242.7	± 7.0	(6)	238.7	± 6.3	(6)	239.0	± 3.0	(6)	231.7	± 4.8	(6)	238.9	± 6.6	(6)
R. Epididymis															
Absolute (g)	0.2494	± 0.0145	(6)	0.2445	± 0.0102	(6)	0.2749	± 0.0096	(6)	0.2577	± 0.0073	(6)	0.2679	± 0.0070	(6)
Relative (mg/g)	1.03	± 0.05	(6)	1.03	± 0.05	(6)	1.15	± 0.05	(6)	1.12	± 0.04	(6)	1.13	± 0.05	(6)
L. Epididymis															
Absolute (g)	0.2610	± 0.0143	(5)	0.2486	± 0.0114	(6)	0.2637	± 0.0086	(6)	0.2269	± 0.0211	(6)	0.2443	± 0.0111	(6)
Relative (mg/g)	1.05	± 0.06	(5)	1.04	± 0.05	(6)	1.10	± 0.04	(6)	0.98	± 0.09	(6)	1.03	± 0.07	(6)
Heart															
Absolute (g)	0.98	± 0.04	(6)	0.99	± 0.06	(6)	0.94	± 0.04	(6)	1.05	± 0.02	(6)	1.03	± 0.05	(6)
Relative (mg/g)	4.03	± 0.05	(6)	4.12	± 0.13	(6)	3.93	± 0.15	(6)	4.53	± 0.05	(6) *	4.31	± 0.14	(6)
R. Kidney															
Absolute (g)	0.85	± 0.02	(6)	0.85	± 0.03	(6)	0.82	± 0.02	(6)	0.86	± 0.02	(6)	0.86	± 0.02	(6)
Relative (mg/g)	3.51	± 0.06	(6)	3.57	± 0.04	(6)	3.42	± 0.03	(6)	3.71	± 0.09	(6)	3.60	± 0.15	(6)
L. Kidney															
Absolute (g)	0.83	± 0.03	(6)	0.86	± 0.02	(6)	0.83	± 0.02	(6)	0.84	± 0.02	(6)	0.85	± 0.02	(6)
Relative (mg/g)	3.40	± 0.08	(6)	3.60	± 0.05	(6)	3.48	± 0.05	(6)	3.64	± 0.10	(6)	3.55	± 0.11	(6)
Liver															
Absolute (g)	10.49	± 0.50	(6)	10.19	± 0.41	(6)	10.28	± 0.24	(6)	10.36	± 0.21	(6)	10.82	± 0.35	(6)
Relative (mg/g)	43.12	± 0.92	(6)	42.64	± 0.81	(6)	42.99	± 0.61	(6)	44.75	± 0.60	(6)	45.33	± 1.20	(6)
Lung															
Absolute (g)	2.36	± 0.21	(6) *	2.77	± 0.22	(6)	2.69	± 0.18	(6)	3.01	± 0.20	(6)	2.81	± 0.25	(6)
Relative (mg/g)	9.62	± 0.64	(6) *	11.55	± 0.69	(6)	11.25	± 0.75	(6)	12.95	± 0.76	(6) *	11.70	± 0.81	(6)
R. Testis															
Absolute (g)	1.524	± 0.031	(6)	1.506	± 0.035	(6)	1.523	± 0.034	(6)	1.530	± 0.049	(6)	1.596	± 0.032	(6)
Relative (mg/g)	6.31	± 0.22	(6)	6.33	± 0.22	(6)	6.39	± 0.21	(6)	6.61	± 0.19	(6)	6.69	± 0.16	(6)
L. Testis															
Absolute (g)	1.546	± 0.036	(6)	1.516	± 0.029	(6)	1.542	± 0.019	(6)	1.508	± 0.032	(5)	1.605	± 0.033	(6)
Relative (mg/g)	6.39	± 0.19	(6)	6.37	± 0.21	(6)	6.46	± 0.14	(6)	6.52	± 0.16	(5)	6.73	± 0.17	(6)

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Treatment Groups (mg/kg)

	0	0.1	0.94	9.4	94.3
Thymus					
Absolute (g)	0.554 ± 0.034 (6)	0.548 ± 0.007 (5)	0.560 ± 0.033 (6)	0.615 ± 0.051 (6)	0.579 ± 0.030 (6)
Relative (mg/g)	2.27 ± 0.09 (6)	2.33 ± 0.06 (5)	2.34 ± 0.12 (6)	2.65 ± 0.20 (6)	2.42 ± 0.08 (6)

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	Treatment Groups		
	943		
Terminal Body Wt.	247.8	± 6.9	(6)
R. Epididymis			
Absolute (g)	0.2598	± 0.0112	(6)
Relative (mg/g)	1.05	± 0.03	(6)
L. Epididymis			
Absolute (g)	0.2632	± 0.0065	(6)
Relative (mg/g)	1.07	± 0.04	(6)
Heart			
Absolute (g)	1.03	± 0.03	(6)
Relative (mg/g)	4.17	± 0.16	(6)
R. Kidney			
Absolute (g)	0.89	± 0.03	(6)
Relative (mg/g)	3.61	± 0.12	(6)
L. Kidney			
Absolute (g)	0.88	± 0.03	(6)
Relative (mg/g)	3.55	± 0.10	(6)
Liver			
Absolute (g)	10.90	± 0.29	(6)
Relative (mg/g)	43.97	± 0.33	(6)
Lung			
Absolute (g)	3.09	± 0.13	(6)
Relative (mg/g)	12.57	± 0.77	(6) *
R. Testis			
Absolute (g)	1.507	± 0.051	(6)
Relative (mg/g)	6.08	± 0.08	(6)
L. Testis			
Absolute (g)	1.498	± 0.049	(6)
Relative (mg/g)	6.04	± 0.08	(6)

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Treatment Groups

943

Thymus

Absolute (g)	0.590 ± 0.022 (6)
Relative (mg/g)	2.39 ± 0.11 (6)

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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 performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests (unless otherwise noted).

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 $P \leq 0.01$

One value for L. Epididymis weight in the 0 mg/kg group; one value for Thymus weight in the 0.1 mg/kg group; and one value for L. Testis weight in the 9.4 mg/kg group were excluded because they were outliers.

**** END OF REPORT ****