

Study Number: C98090C-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Sprague Dawley

PA06: Organ Weights Summary
Test Compound: 2,2',4,4'-Tetrabromodiphenyl Ether
CAS Number: 5436-43-1

Date Report Requested: 03/11/2019
Time Report Requested: 12:45:23
Lab: Battelle

C Number:

C98090C-01

Study Gender:

Male

PWG Approval Date

See web page for date of PWG Approval

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	Treatment Groups (mg/kg)														
	0			0.0485			0.485			4.85			48.5		
Terminal Body Wt.	243.8	± 5.5	(6)	241.3	± 5.4	(6)	242.6	± 3.9	(6)	247.9	± 6.0	(6)	247.9	± 5.8	(6)
R. Epididymis															
Absolute (g)	0.2683 ± 0.0165 (6)			0.2340 ± 0.0085 (6)			0.2812 ± 0.0104 (6)			0.2643 ± 0.0042 (6)			0.2728 ± 0.0135 (6)		
Relative (mg/g)	1.10 ± 0.06 (6)			0.97 ± 0.02 (6)			1.16 ± 0.03 (6)			1.07 ± 0.03 (6)			1.10 ± 0.05 (6)		
L. Epididymis															
Absolute (g)	0.2731 ± 0.0082 (6)			0.2309 ± 0.0106 (6) *			0.2697 ± 0.0061 (6)			0.2568 ± 0.0053 (6)			0.2711 ± 0.0158 (6)		
Relative (mg/g)	1.12 ± 0.02 (6)			0.96 ± 0.05 (6) *			1.11 ± 0.02 (6)			1.04 ± 0.01 (6)			1.09 ± 0.07 (6)		
Heart															
Absolute (g)	0.95 ± 0.01 (5)			0.95 ± 0.03 (6)			0.96 ± 0.04 (6)			1.02 ± 0.05 (6)			0.96 ± 0.04 (6)		
Relative (mg/g)	3.95 ± 0.07 (5)			3.95 ± 0.08 (6)			3.96 ± 0.12 (6)			4.12 ± 0.11 (6)			3.85 ± 0.09 (6)		
R. Kidney															
Absolute (g)	0.86 ± 0.02 (6)			0.82 ± 0.02 (6)			0.83 ± 0.03 (6)			0.86 ± 0.03 (6)			0.86 ± 0.02 (6)		
Relative (mg/g)	3.53 ± 0.09 (6)			3.41 ± 0.06 (6)			3.40 ± 0.08 (6)			3.45 ± 0.08 (6)			3.49 ± 0.11 (6)		
L. Kidney															
Absolute (g)	0.83 ± 0.02 (6)			0.82 ± 0.02 (6)			0.83 ± 0.02 (6)			0.81 ± 0.02 (6)			0.87 ± 0.03 (6)		
Relative (mg/g)	3.42 ± 0.06 (6)			3.40 ± 0.06 (6)			3.40 ± 0.07 (6)			3.27 ± 0.04 (6)			3.49 ± 0.12 (6)		
Liver															
Absolute (g)	10.15 ± 0.19 (6) **			10.09 ± 0.39 (6)			10.40 ± 0.33 (6)			10.80 ± 0.31 (6)			12.59 ± 0.25 (6) **		
Relative (mg/g)	41.70 ± 1.12 (6) **			41.74 ± 0.89 (6)			42.82 ± 0.79 (6)			43.55 ± 0.42 (6)			50.79 ± 0.53 (6) **		
Lung															
Absolute (g)	2.61 ± 0.24 (6)			2.60 ± 0.18 (6)			2.29 ± 0.24 (6)			2.48 ± 0.15 (6)			2.50 ± 0.20 (6)		
Relative (mg/g)	10.72 ± 0.97 (6)			10.83 ± 0.85 (6)			9.37 ± 0.86 (6)			10.02 ± 0.60 (6)			10.16 ± 1.01 (6)		
R. Testis															
Absolute (g)	1.538 ± 0.024 (6)			1.481 ± 0.072 (6)			1.545 ± 0.065 (6)			1.512 ± 0.034 (6)			1.583 ± 0.045 (6)		
Relative (mg/g)	6.32 ± 0.17 (6)			6.13 ± 0.23 (6)			6.38 ± 0.30 (6)			6.11 ± 0.14 (6)			6.38 ± 0.06 (6)		
L. Testis															
Absolute (g)	1.520 ± 0.028 (6)			1.479 ± 0.066 (6)			1.568 ± 0.052 (6)			1.509 ± 0.028 (6)			1.609 ± 0.042 (6)		
Relative (mg/g)	6.25 ± 0.19 (6) *			6.12 ± 0.21 (6)			6.47 ± 0.22 (6)			6.09 ± 0.10 (6)			6.49 ± 0.04 (6)		

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Treatment Groups (mg/kg)

	0	0.0485	0.485	4.85	48.5
Thymus					
Absolute (g)	0.623 ± 0.044 (6) **	0.593 ± 0.030 (6)	0.593 ± 0.023 (6)	0.605 ± 0.034 (6)	0.521 ± 0.010 (5) *
Relative (mg/g)	2.57 ± 0.21 (6) *	2.46 ± 0.13 (6)	2.44 ± 0.08 (6)	2.44 ± 0.13 (6)	2.13 ± 0.06 (5)

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	Treatment Groups		
	485		
Terminal Body Wt.	233.3	± 5.7	(6)
R. Epididymis			
Absolute (g)	0.2451	± 0.0079	(6)
Relative (mg/g)	1.06	± 0.05	(6)
L. Epididymis			
Absolute (g)	0.2470	± 0.0042	(6)
Relative (mg/g)	1.06	± 0.04	(6)
Heart			
Absolute (g)	0.89	± 0.03	(6)
Relative (mg/g)	3.81	± 0.07	(6)
R. Kidney			
Absolute (g)	0.88	± 0.04	(6)
Relative (mg/g)	3.77	± 0.15	(6)
L. Kidney			
Absolute (g)	0.88	± 0.03	(6)
Relative (mg/g)	3.79	± 0.10	(6) *
Liver			
Absolute (g)	15.16	± 0.80	(6) **
Relative (mg/g)	65.21	± 3.84	(6) **
Lung			
Absolute (g)	2.37	± 0.15	(6)
Relative (mg/g)	10.19	± 0.74	(6)
R. Testis			
Absolute (g)	1.561	± 0.054	(6)
Relative (mg/g)	6.70	± 0.24	(6)
L. Testis			
Absolute (g)	1.589	± 0.044	(6)
Relative (mg/g)	6.82	± 0.18	(6)

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Treatment Groups

485

Thymus

Absolute (g)	0.513 ± 0.029 (6) *
Relative (mg/g)	2.20 ± 0.13 (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 Heart weight in the 0 mg/kg group and one value for Thymus weight in the 48.5 mg/kg group were excluded because they were outliers.

**** END OF REPORT ****