

Study Number: C15003-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

PA06: Organ Weights Summary

Test Compound: Hexachlorocyclopentadienyl-dibromocyclooctane

CAS Number: 51936-55-1

C15003-01

Male

See web page for date of PWG Approval

Date Report Requested: 03/11/2019

Time Report Requested: 12:42:26

Lab: Battelle

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	Treatment Groups (mg/kg)														
	0			0.05			0.54			5.41			54.1		
Terminal Body Wt.	234.1	± 5.4	(6)	228.2	± 4.1	(6)	226.0	± 2.3	(6)	228.2	± 4.3	(6)	235.9	± 3.4	(6)
R. Epididymis															
Absolute (g)	0.2447 ± 0.0092 (6)			0.2428 ± 0.0101 (6)			0.2369 ± 0.0141 (6)			0.2428 ± 0.0121 (6)			0.2380 ± 0.0038 (6)		
Relative (mg/g)	1.04 ± 0.03 (6)			1.07 ± 0.05 (6)			1.05 ± 0.06 (6)			1.06 ± 0.04 (6)			1.01 ± 0.02 (6)		
L. Epididymis															
Absolute (g)	0.2322 ± 0.0085 (6)			0.2465 ± 0.0104 (6)			0.2297 ± 0.0138 (6)			0.2500 ± 0.0114 (6)			0.2522 ± 0.0043 (6)		
Relative (mg/g)	0.99 ± 0.02 (6)			1.08 ± 0.05 (6)			1.02 ± 0.06 (6)			1.09 ± 0.03 (6)			1.07 ± 0.03 (6)		
Heart															
Absolute (g)	0.95 ± 0.02 (6)			0.94 ± 0.02 (6)			0.96 ± 0.01 (6)			0.97 ± 0.04 (6)			0.96 ± 0.02 (6)		
Relative (mg/g)	4.04 ± 0.04 (6)			4.11 ± 0.07 (6)			4.25 ± 0.06 (6)			4.23 ± 0.13 (6)			4.06 ± 0.13 (6)		
R. Kidney															
Absolute (g)	0.81 ± 0.02 (6)			0.81 ± 0.02 (6)			0.84 ± 0.01 (6)			0.82 ± 0.02 (6)			0.82 ± 0.02 (6)		
Relative (mg/g)	3.45 ± 0.07 (6)			3.56 ± 0.06 (6)			3.73 ± 0.03 (6)			3.58 ± 0.08 (6)			3.47 ± 0.09 (6)		
L. Kidney															
Absolute (g)	0.78 ± 0.01 (5)			0.80 ± 0.01 (6)			0.81 ± 0.02 (6)			0.80 ± 0.02 (6)			0.81 ± 0.02 (6)		
Relative (mg/g)	3.37 ± 0.08 (5)			3.50 ± 0.07 (6)			3.59 ± 0.08 (6)			3.51 ± 0.07 (6)			3.44 ± 0.09 (6)		
Liver															
Absolute (g)	10.29 ± 0.28 (6) **			9.93 ± 0.26 (6)			10.07 ± 0.18 (6)			10.11 ± 0.30 (6)			11.38 ± 0.30 (6) **		
Relative (mg/g)	43.96 ± 0.74 (6) **			43.54 ± 1.00 (6)			44.56 ± 0.62 (6)			44.31 ± 0.97 (6)			48.24 ± 0.99 (6) **		
Lung															
Absolute (g)	2.56 ± 0.13 (6)			2.83 ± 0.14 (6)			2.56 ± 0.19 (6)			2.68 ± 0.28 (6)			2.80 ± 0.18 (6)		
Relative (mg/g)	10.95 ± 0.54 (6)			12.44 ± 0.73 (6)			11.36 ± 0.91 (6)			11.69 ± 1.09 (6)			11.90 ± 0.86 (6)		
R. Testis															
Absolute (g)	1.453 ± 0.058 (6)			1.491 ± 0.026 (6)			1.470 ± 0.023 (5)			1.463 ± 0.051 (6)			1.460 ± 0.016 (6)		
Relative (mg/g)	6.20 ± 0.16 (6)			6.54 ± 0.14 (6)			6.47 ± 0.15 (5)			6.41 ± 0.18 (6)			6.20 ± 0.10 (6)		
L. Testis															
Absolute (g)	1.459 ± 0.059 (6)			1.476 ± 0.027 (6)			1.428 ± 0.074 (6)			1.472 ± 0.047 (6)			1.421 ± 0.025 (6)		
Relative (mg/g)	6.23 ± 0.16 (6)			6.47 ± 0.08 (6)			6.31 ± 0.30 (6)			6.45 ± 0.14 (6)			6.03 ± 0.14 (6)		

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Treatment Groups (mg/kg)

	0	0.05	0.54	5.41	54.1
Thymus					
Absolute (g)	0.590 ± 0.016 (6)	0.612 ± 0.046 (6)	0.596 ± 0.037 (6)	0.562 ± 0.007 (6)	0.674 ± 0.024 (6)
Relative (mg/g)	2.53 ± 0.09 (6)	2.68 ± 0.20 (6)	2.64 ± 0.15 (6)	2.47 ± 0.06 (6)	2.86 ± 0.09 (6)

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	Treatment Groups		
	541		
Terminal Body Wt.	233.0	± 3.5	(6)
R. Epididymis			
Absolute (g)	0.2503	± 0.0125	(6)
Relative (mg/g)	1.07	± 0.04	(6)
L. Epididymis			
Absolute (g)	0.2486	± 0.0122	(6)
Relative (mg/g)	1.07	± 0.04	(6)
Heart			
Absolute (g)	0.93	± 0.02	(6)
Relative (mg/g)	3.99	± 0.11	(6)
R. Kidney			
Absolute (g)	0.80	± 0.02	(6)
Relative (mg/g)	3.44	± 0.10	(6)
L. Kidney			
Absolute (g)	0.80	± 0.03	(6)
Relative (mg/g)	3.44	± 0.09	(6)
Liver			
Absolute (g)	11.96	± 0.15	(6) **
Relative (mg/g)	51.37	± 0.90	(6) **
Lung			
Absolute (g)	2.51	± 0.17	(6)
Relative (mg/g)	10.83	± 0.83	(6)
R. Testis			
Absolute (g)	1.374	± 0.066	(6)
Relative (mg/g)	5.89	± 0.22	(6)
L. Testis			
Absolute (g)	1.365	± 0.081	(6)
Relative (mg/g)	5.84	± 0.30	(6)

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Treatment Groups

541

Thymus

Absolute (g)	0.588 ± 0.009	(6)
Relative (mg/g)	2.53 ± 0.04	(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. Kidney weight in the 0 mg/kg group and one value for R. Testis weight in the 0.54 mg/kg group were excluded because they were outliers.

**** END OF REPORT ****