

Study Number: C20042-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Sprague Dawley

PA06: Organ Weights Summary
Test Compound: 2,3-Benzofluorene
CAS Number: 243-17-4

Date Report Requested: 11/17/2020
Time Report Requested: 15:39:25
Lab: Battelle

Study Number: C20042-01
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.1.0

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Males: Core Animals

	Treatment Groups (mg/kg)				
	0	0.15	0.5	1.4	4
Terminal Body Wt. (g)	324.0 ± 6.3 (10)	320.2 ± 3.9 (5)	325.9 ± 3.2 (5)	328.0 ± 3.4 (5)	326.4 ± 8.4 (5)
Heart					
Absolute (g)	1.14 ± 0.03 (10)	1.16 ± 0.04 (5)	1.13 ± 0.01 (4)	1.17 ± 0.05 (5)	1.25 ± 0.09 (5)
Relative (mg/g)	3.53 ± 0.05 (10)	3.61 ± 0.07 (5)	3.48 ± 0.07 (4)	3.57 ± 0.14 (5)	3.80 ± 0.19 (5)
R. Kidney					
Absolute (g)	1.03 ± 0.02 (10)	1.02 ± 0.03 (5)	0.99 ± 0.04 (5)	1.07 ± 0.02 (5)	1.01 ± 0.02 (5)
Relative (mg/g)	3.19 ± 0.05 (10)	3.19 ± 0.08 (5)	3.04 ± 0.12 (5)	3.25 ± 0.09 (5)	3.10 ± 0.06 (5)
L. Kidney					
Absolute (g)	1.03 ± 0.02 (10)	1.03 ± 0.03 (5)	0.98 ± 0.03 (5)	1.09 ± 0.05 (5)	1.03 ± 0.02 (5)
Relative (mg/g)	3.19 ± 0.05 (10)	3.20 ± 0.08 (5)	3.00 ± 0.10 (5)	3.33 ± 0.17 (5)	3.17 ± 0.05 (5)
Liver					
Absolute (g)	12.68 ± 0.38 (10) **	12.46 ± 0.43 (5)	12.14 ± 0.33 (5)	14.42 ± 0.39 (5)	13.16 ± 0.46 (5)
Relative (mg/g)	39.11 ± 0.75 (10) **	38.88 ± 0.98 (5)	37.25 ± 0.87 (5)	43.96 ± 1.16 (5)	40.33 ± 0.86 (5)

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	Treatment Groups (mg/kg)				
	12	37	111	333	1000
Terminal Body Wt. (g)	319.0 ± 7.6 (5)	315.9 ± 9.2 (5)	310.8 ± 6.0 (5)	318.8 ± 6.7 (5)	316.2 ± 6.6 (5)
Heart					
Absolute (g)	1.16 ± 0.05 (5)	1.11 ± 0.05 (5)	1.13 ± 0.03 (5)	1.09 ± 0.04 (5)	1.10 ± 0.04 (5)
Relative (mg/g)	3.63 ± 0.12 (5)	3.52 ± 0.13 (5)	3.65 ± 0.11 (5)	3.41 ± 0.08 (5)	3.48 ± 0.09 (5)
R. Kidney					
Absolute (g)	1.01 ± 0.05 (5)	1.02 ± 0.03 (5)	0.99 ± 0.03 (5)	1.00 ± 0.03 (5)	0.98 ± 0.02 (5)
Relative (mg/g)	3.17 ± 0.10 (5)	3.24 ± 0.10 (5)	3.18 ± 0.10 (5)	3.14 ± 0.11 (5)	3.09 ± 0.04 (5)
L. Kidney					
Absolute (g)	1.02 ± 0.05 (5)	1.00 ± 0.04 (5)	0.98 ± 0.02 (5)	1.00 ± 0.01 (5)	0.97 ± 0.01 (5)
Relative (mg/g)	3.20 ± 0.10 (5)	3.15 ± 0.09 (5)	3.16 ± 0.05 (5)	3.13 ± 0.08 (5)	3.07 ± 0.06 (5)
Liver					
Absolute (g)	12.84 ± 0.73 (5)	12.82 ± 0.58 (5)	13.19 ± 0.23 (5)	15.48 ± 0.51 (5) **	14.89 ± 0.66 (5) **
Relative (mg/g)	40.14 ± 1.40 (5)	40.51 ± 0.84 (5)	42.47 ± 0.45 (5) *	48.53 ± 0.78 (5) **	47.02 ± 1.31 (5) **

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	Treatment Groups (mg/kg)				
	0	0.15	0.5	1.4	4
Terminal Body Wt. (g)	215.4 ± 5.7 (10)	213.2 ± 8.4 (5)	216.0 ± 6.7 (5)	228.2 ± 4.9 (5)	216.3 ± 9.2 (5)
Heart					
Absolute (g)	0.86 ± 0.03 (10)	0.84 ± 0.04 (5)	0.87 ± 0.03 (5)	0.89 ± 0.03 (5)	0.85 ± 0.04 (5)
Relative (mg/g)	3.97 ± 0.11 (10)	3.94 ± 0.16 (5)	4.03 ± 0.14 (5)	3.90 ± 0.08 (5)	3.95 ± 0.05 (5)
R. Kidney					
Absolute (g)	0.67 ± 0.02 (10)	0.66 ± 0.01 (5)	0.65 ± 0.01 (5)	0.69 ± 0.03 (5)	0.64 ± 0.03 (5)
Relative (mg/g)	3.09 ± 0.05 (10)	3.12 ± 0.10 (5)	3.02 ± 0.06 (5)	3.03 ± 0.08 (5)	2.98 ± 0.03 (5)
L. Kidney					
Absolute (g)	0.65 ± 0.02 (10)	0.64 ± 0.01 (5)	0.66 ± 0.02 (5)	0.67 ± 0.03 (5)	0.64 ± 0.03 (5)
Relative (mg/g)	3.03 ± 0.03 (10)	3.03 ± 0.10 (5)	3.06 ± 0.09 (5)	2.95 ± 0.10 (5)	2.95 ± 0.09 (5)
Liver					
Absolute (g)	7.66 ± 0.25 (10) **	7.63 ± 0.63 (5)	7.90 ± 0.36 (5)	8.44 ± 0.38 (5)	7.99 ± 0.44 (5)
Relative (mg/g)	35.55 ± 0.51 (10) **	35.56 ± 1.72 (5)	36.53 ± 0.64 (5)	36.91 ± 1.13 (5)	36.88 ± 0.69 (5)

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	Treatment Groups (mg/kg)				
	12	37	111	333	1000
Terminal Body Wt. (g)	218.6 ± 5.9 (5)	215.5 ± 5.6 (5)	220.7 ± 3.3 (5)	210.1 ± 5.8 (5)	211.2 ± 2.1 (5)
Heart					
Absolute (g)	0.88 ± 0.01 (5)	0.88 ± 0.05 (5)	0.88 ± 0.02 (5)	0.82 ± 0.04 (5)	0.81 ± 0.01 (5)
Relative (mg/g)	4.02 ± 0.10 (5)	4.08 ± 0.12 (5)	4.00 ± 0.06 (5)	3.89 ± 0.12 (5)	3.82 ± 0.08 (5)
R. Kidney					
Absolute (g)	0.69 ± 0.02 (5)	0.66 ± 0.04 (5)	0.66 ± 0.02 (5)	0.66 ± 0.03 (5)	0.68 ± 0.01 (5)
Relative (mg/g)	3.15 ± 0.08 (5)	3.06 ± 0.10 (5)	3.01 ± 0.08 (5)	3.16 ± 0.10 (5)	3.20 ± 0.07 (5)
L. Kidney					
Absolute (g)	0.67 ± 0.02 (5)	0.66 ± 0.04 (5)	0.66 ± 0.02 (5)	0.65 ± 0.03 (5)	0.67 ± 0.01 (5)
Relative (mg/g)	3.05 ± 0.08 (5)	3.04 ± 0.12 (5)	3.00 ± 0.07 (5)	3.11 ± 0.11 (5)	3.15 ± 0.04 (5)
Liver					
Absolute (g)	8.05 ± 0.31 (5)	8.92 ± 0.48 (5) *	9.28 ± 0.28 (5) **	8.73 ± 0.37 (5) **	9.38 ± 0.12 (5) **
Relative (mg/g)	36.80 ± 0.50 (5)	41.39 ± 1.99 (5) **	42.01 ± 0.68 (5) **	41.53 ± 1.17 (5) **	44.40 ± 0.36 (5) **

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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.

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 male 0.5 mg/kg group was excluded because it was an outlier.

**** END OF REPORT ****