

Study Number: C20323-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/F344/NCrl

PA06: Organ Weights Summary
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 02/03/2020
Time Report Requested: 09:03:21
Lab: Battelle

C Number:

C20323-01

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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		Males									
		Treatment Groups (mg/kg/day)									
		0		78		156		312.5		625	
Terminal Body Wt. (g)		155.8	± 3.6 (5)	161.5	± 3.2 (5)	155.1	± 4.7 (5)	157.8	± 6.5 (5)	157.7	± 5.0 (5)
Heart											
	Absolute (g)	0.61	± 0.01 (5)	0.68	± 0.01 (5)	0.65	± 0.03 (5)	0.70	± 0.04 (5)	0.65	± 0.03 (5)
	Relative (mg/g)	3.90	± 0.07 (5)	4.20	± 0.08 (5)	4.16	± 0.07 (5)	4.43	± 0.08 (5) **	4.11	± 0.11 (5)
R. Kidney											
	Absolute (g)	0.72	± 0.02 (5)	0.72	± 0.02 (5)	0.69	± 0.02 (5)	0.70	± 0.04 (5)	0.71	± 0.03 (5)
	Relative (mg/g)	4.62	± 0.12 (5)	4.44	± 0.10 (5)	4.43	± 0.10 (5)	4.40	± 0.06 (5)	4.51	± 0.07 (5)
Liver											
	Absolute (g)	8.90	± 0.38 (5)	9.81	± 0.20 (5)	8.78	± 0.38 (5)	9.81	± 0.57 (5)	9.86	± 0.32 (5)
	Relative (mg/g)	57.16	± 2.04 (5)	60.76	± 1.21 (5)	56.56	± 1.31 (5)	62.09	± 1.51 (5)	62.55	± 1.07 (5)
Lung											
	Absolute (g)	1.35	± 0.08 (5)	1.45	± 0.09 (5)	1.34	± 0.12 (5)	1.33	± 0.09 (5)	1.36	± 0.10 (5)
	Relative (mg/g)	8.67	± 0.39 (5)	8.95	± 0.57 (5)	8.61	± 0.66 (5)	8.42	± 0.33 (5)	8.60	± 0.39 (5)
R. Testis											
	Absolute (g)	0.957	± 0.017 (5)	0.978	± 0.038 (5)	0.969	± 0.027 (5)	0.987	± 0.026 (5)	0.938	± 0.019 (5)
	Relative (mg/g)	6.16	± 0.23 (5)	6.05	± 0.18 (5)	6.27	± 0.21 (5)	6.27	± 0.11 (5)	5.97	± 0.20 (5)
Thymus											
	Absolute (g)	0.379	± 0.026 (5)	0.433	± 0.018 (5)	0.388	± 0.024 (5)	0.411	± 0.024 (5)	0.403	± 0.027 (5)
	Relative (mg/g)	2.43	± 0.14 (5)	2.68	± 0.11 (5)	2.50	± 0.11 (5)	2.60	± 0.06 (5)	2.55	± 0.09 (5)

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Males

	Treatment Groups		
	1250		
Terminal Body Wt. (g)	149.3	± 2.6	(5)
Heart			
Absolute (g)	0.61	± 0.02	(5)
Relative (mg/g)	4.08	± 0.11	(5)
R. Kidney			
Absolute (g)	0.68	± 0.02	(5)
Relative (mg/g)	4.58	± 0.06	(5)
Liver			
Absolute (g)	8.97	± 0.32	(5)
Relative (mg/g)	60.04	± 1.59	(5)
Lung			
Absolute (g)	1.31	± 0.10	(5)
Relative (mg/g)	8.78	± 0.60	(5)
R. Testis			
Absolute (g)	0.965	± 0.026	(5)
Relative (mg/g)	6.48	± 0.27	(5)
Thymus			
Absolute (g)	0.353	± 0.010	(5)
Relative (mg/g)	2.37	± 0.08	(5)

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Females

Treatment Groups (mg/kg/day)

	0	78	156	312.5	625
Terminal Body Wt. (g)	117.0 ± 3.0 (5)	118.3 ± 1.8 (5)	121.7 ± 3.3 (5)	116.0 ± 2.0 (5)	117.7 ± 2.2 (5)
Heart					
Absolute (g)	0.50 ± 0.01 (5)	0.52 ± 0.01 (5)	0.56 ± 0.01 (5) *	0.51 ± 0.01 (5)	0.50 ± 0.01 (5)
Relative (mg/g)	4.31 ± 0.10 (5)	4.40 ± 0.13 (5)	4.59 ± 0.10 (5)	4.42 ± 0.04 (5)	4.28 ± 0.08 (5)
R. Kidney					
Absolute (g)	0.55 ± 0.02 (5)	0.57 ± 0.01 (5)	0.57 ± 0.02 (5)	0.56 ± 0.01 (5)	0.55 ± 0.01 (5)
Relative (mg/g)	4.68 ± 0.05 (5)	4.84 ± 0.11 (5)	4.70 ± 0.04 (5)	4.85 ± 0.08 (5)	4.64 ± 0.05 (5)
Liver					
Absolute (g)	6.28 ± 0.19 (5)	5.92 ± 0.19 (5)	6.73 ± 0.20 (5)	6.12 ± 0.18 (5)	6.02 ± 0.22 (5)
Relative (mg/g)	53.74 ± 1.48 (5)	50.05 ± 0.93 (5)	55.41 ± 1.76 (5)	52.77 ± 1.11 (5)	51.08 ± 1.17 (5)
Lung					
Absolute (g)	1.01 ± 0.06 (5)	1.07 ± 0.07 (5)	1.23 ± 0.14 (5)	0.98 ± 0.03 (5)	1.13 ± 0.07 (5)
Relative (mg/g)	8.62 ± 0.40 (5)	9.09 ± 0.65 (5)	10.17 ± 1.23 (5)	8.46 ± 0.39 (5)	9.60 ± 0.53 (5)
Thymus					
Absolute (g)	0.347 ± 0.012 (5)	0.352 ± 0.005 (5)	0.362 ± 0.013 (5)	0.338 ± 0.016 (5)	0.334 ± 0.010 (5)
Relative (mg/g)	2.97 ± 0.10 (5)	2.98 ± 0.04 (5)	2.97 ± 0.08 (5)	2.91 ± 0.12 (5)	2.84 ± 0.09 (5)

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Females

	Treatment Groups		
	1250		
Terminal Body Wt. (g)	119.4	± 2.3	(5)
Heart			
Absolute (g)	0.54	± 0.02	(5)
Relative (mg/g)	4.48	± 0.09	(5)
R. Kidney			
Absolute (g)	0.57	± 0.01	(5)
Relative (mg/g)	4.81	± 0.02	(5)
Liver			
Absolute (g)	6.83	± 0.23	(5)
Relative (mg/g)	57.17	± 1.52	(5)
Lung			
Absolute (g)	1.25	± 0.10	(5)
Relative (mg/g)	10.43	± 0.69	(5)
Thymus			
Absolute (g)	0.344	± 0.014	(5)
Relative (mg/g)	2.88	± 0.09	(5)

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LEGEND

Values are displayed as mean \pm SEM (N).

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 $P \leq 0.01$

**** END OF REPORT ****