

Experiment Number: C20724-04
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary
Test Compound: Acetoin
CAS Number: 513-86-0

Date Report Requested: 05/02/2017
Time Report Requested: 13:07:14
Lab: NTP

C Number:	C20724-04
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

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		Males																	
		Treatment Groups (ppm)																	
		0		50		100		200		400		800							
Terminal Body Wt.		37.4	± 0.8	(10)	36.9	± 0.4	(10)	35.6	± 0.7	(10)	36.6	± 0.9	(10)	35.9	± 0.7	(10)	37.5	± 0.8	(10)
Heart																			
	Absolute (g)	0.16	± 0.01	(10)	0.16	± 0.00	(10)	0.16	± 0.00	(10)	0.16	± 0.01	(10)	0.16	± 0.00	(10)	0.16	± 0.00	(10)
	Relative (mg/g)	4.36	± 0.16	(10)	4.37	± 0.10	(10)	4.50	± 0.09	(10)	4.40	± 0.11	(10)	4.38	± 0.09	(10)	4.20	± 0.13	(10)
R. Kidney																			
	Absolute (g)	0.32	± 0.01	(10)	0.32	± 0.01	(10)	0.33	± 0.00	(10)	0.33	± 0.01	(10)	0.32	± 0.01	(10)	0.32	± 0.01	(10)
	Relative (mg/g)	8.44	± 0.30	(10)	8.58	± 0.17	(10)	9.31	± 0.17	(10) *	9.16	± 0.30	(10)	8.83	± 0.21	(10)	8.59	± 0.21	(10)
Liver																			
	Absolute (g)	1.62	± 0.03	(10)	1.62	± 0.04	(10)	1.54	± 0.03	(10)	1.61	± 0.04	(10)	1.55	± 0.04	(10)	1.60	± 0.02	(10)
	Relative (mg/g)	43.38	± 1.00	(10)	43.85	± 0.67	(10)	43.23	± 0.66	(10)	43.97	± 1.03	(10)	43.19	± 0.96	(10)	42.76	± 0.70	(10)
Lung																			
	Absolute (g)	0.20	± 0.00	(10)	0.21	± 0.00	(10)	0.22	± 0.01	(10)	0.21	± 0.01	(10)	0.20	± 0.00	(10)	0.21	± 0.00	(10)
	Relative (mg/g)	5.44	± 0.10	(10)	5.62	± 0.09	(10)	6.12	± 0.15	(10) **	5.75	± 0.17	(10)	5.45	± 0.12	(10)	5.59	± 0.15	(10)
Spleen																			
	Absolute (g)	0.068	± 0.003	(10)	0.065	± 0.003	(10)	0.062	± 0.002	(10)	0.070	± 0.003	(10)	0.062	± 0.002	(10)	0.065	± 0.003	(10)
	Relative (mg/g)	1.82	± 0.08	(10)	1.76	± 0.08	(10)	1.74	± 0.05	(10)	1.92	± 0.07	(10)	1.73	± 0.06	(10)	1.73	± 0.06	(10)
R. Testis																			
	Absolute (g)	0.107	± 0.003	(10)	0.113	± 0.002	(10)	0.109	± 0.002	(10)	0.112	± 0.004	(10)	0.109	± 0.002	(10)	0.104	± 0.005	(10)
	Relative (mg/g)	2.88	± 0.09	(10)	3.06	± 0.05	(10)	3.06	± 0.08	(10)	3.08	± 0.11	(10)	3.04	± 0.03	(10)	2.77	± 0.13	(10)
Thymus																			
	Absolute (g)	0.060	± 0.004	(10) *	0.059	± 0.003	(10)	0.055	± 0.003	(10)	0.064	± 0.003	(10)	0.065	± 0.003	(10)	0.066	± 0.003	(10)
	Relative (mg/g)	1.60	± 0.09	(10) *	1.61	± 0.07	(10)	1.53	± 0.08	(10)	1.74	± 0.06	(10)	1.82	± 0.08	(10)	1.76	± 0.07	(10)

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Females

Treatment Groups (ppm)

	0	50	100	200	400	800
Terminal Body Wt.	32.9 ± 1.0 (10)	30.4 ± 1.1 (10)	31.8 ± 0.7 (10)	33.0 ± 1.3 (10)	32.4 ± 0.9 (10)	32.7 ± 0.8 (10)
Heart						
Absolute (g)	0.15 ± 0.00 (10)	0.14 ± 0.00 (10)	0.15 ± 0.00 (10)	0.15 ± 0.00 (10)	0.14 ± 0.00 (10)	0.15 ± 0.00 (10)
Relative (mg/g)	4.49 ± 0.14 (10)	4.70 ± 0.08 (10)	4.67 ± 0.08 (10)	4.46 ± 0.13 (10)	4.47 ± 0.18 (10)	4.49 ± 0.14 (10)
R. Kidney						
Absolute (g)	0.21 ± 0.00 (10)	0.21 ± 0.01 (10)	0.22 ± 0.00 (10)	0.22 ± 0.01 (10)	0.22 ± 0.01 (10)	0.21 ± 0.00 (10)
Relative (mg/g)	6.47 ± 0.18 (10)	6.94 ± 0.17 (10)	6.79 ± 0.14 (10)	6.61 ± 0.16 (10)	6.79 ± 0.22 (10)	6.45 ± 0.14 (10)
Liver						
Absolute (g)	1.52 ± 0.03 (10)	1.42 ± 0.05 (10)	1.56 ± 0.06 (10)	1.54 ± 0.06 (10)	1.51 ± 0.05 (10)	1.53 ± 0.06 (10)
Relative (mg/g)	46.29 ± 1.09 (10)	46.68 ± 0.83 (10)	49.19 ± 1.69 (10)	46.70 ± 0.87 (10)	46.73 ± 1.10 (10)	46.91 ± 1.64 (10)
Lung						
Absolute (g)	0.21 ± 0.00 (10)	0.20 ± 0.01 (10)	0.21 ± 0.01 (10)	0.21 ± 0.01 (10)	0.22 ± 0.00 (10)	0.20 ± 0.00 (10)
Relative (mg/g)	6.50 ± 0.24 (10)	6.74 ± 0.19 (10)	6.63 ± 0.18 (10)	6.35 ± 0.20 (10)	6.72 ± 0.25 (10)	6.24 ± 0.13 (10)
Spleen						
Absolute (g)	0.095 ± 0.003 (10)	0.089 ± 0.003 (10)	0.097 ± 0.004 (10)	0.097 ± 0.003 (10)	0.096 ± 0.004 (10)	0.094 ± 0.004 (10)
Relative (mg/g)	2.91 ± 0.14 (10)	2.95 ± 0.13 (10)	3.06 ± 0.11 (10)	2.97 ± 0.13 (10)	2.98 ± 0.14 (10)	2.88 ± 0.10 (10)
Thymus						
Absolute (g)	0.065 ± 0.002 (10) *	0.065 ± 0.004 (10)	0.065 ± 0.003 (10)	0.068 ± 0.003 (10)	0.071 ± 0.003 (10)	0.075 ± 0.004 (10)
Relative (mg/g)	1.97 ± 0.07 (10) *	2.15 ± 0.13 (10)	2.06 ± 0.09 (10)	2.07 ± 0.10 (10)	2.18 ± 0.09 (10)	2.30 ± 0.07 (10)

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LEGEND

Data 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 William 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 ****