

Experiment Number: C20724-03

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Wistar Han

C Number:

C20724-03

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Both

PA06: Organ Weights Summary

Test Compound: Acetoin

CAS Number: 513-86-0

Date Report Requested: 05/08/2017

Time Report Requested: 15:18:36

Lab: NTP

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Males: Day 93 Males

	Treatment Groups (ppm)											
	0		50		100		200		400		800	
Terminal Body Wt.	415.5	± 13.5 (10)	400.9	± 9.5 (10)	395.2	± 12.4 (10)	391.2	± 10.2 (10)	403.2	± 11.7 (10)	389.7	± 13.2 (10)
Heart												
Absolute (g)	1.04	± 0.03 (10)	1.12	± 0.04 (10)	1.07	± 0.03 (10)	1.06	± 0.02 (10)	1.10	± 0.04 (10)	1.06	± 0.04 (10)
Relative (mg/g)	2.52	± 0.05 (10)	2.79	± 0.11 (10) *	2.73	± 0.07 (10)	2.71	± 0.07 (10)	2.72	± 0.07 (10)	2.72	± 0.04 (10)
R. Kidney												
Absolute (g)	1.26	± 0.03 (10)	1.25	± 0.03 (10)	1.23	± 0.05 (10)	1.24	± 0.03 (10)	1.27	± 0.05 (10)	1.22	± 0.03 (10)
Relative (mg/g)	3.04	± 0.10 (10)	3.12	± 0.09 (10)	3.12	± 0.09 (10)	3.16	± 0.06 (10)	3.14	± 0.08 (10)	3.13	± 0.07 (10)
Liver												
Absolute (g)	12.34	± 0.42 (10)	11.30	± 0.55 (10)	11.99	± 0.45 (10)	11.72	± 0.42 (10)	12.55	± 0.45 (10)	12.36	± 0.43 (10)
Relative (mg/g)	29.70	± 0.36 (10) **	28.04	± 0.95 (10)	30.31	± 0.47 (10)	29.93	± 0.61 (10)	31.12	± 0.54 (10)	31.75	± 0.67 (10) *
Lung												
Absolute (g)	2.25	± 0.18 (10)	2.38	± 0.11 (10)	2.15	± 0.09 (10)	2.14	± 0.10 (10)	2.25	± 0.12 (10)	2.17	± 0.10 (10)
Relative (mg/g)	5.40	± 0.37 (10)	5.96	± 0.30 (10)	5.51	± 0.33 (10)	5.50	± 0.25 (10)	5.60	± 0.26 (10)	5.58	± 0.23 (10)
Spleen												
Absolute (g)	0.579	± 0.026 (10)	0.597	± 0.028 (10)	0.607	± 0.029 (10)	0.574	± 0.027 (10)	0.601	± 0.023 (10)	0.596	± 0.032 (10)
Relative (mg/g)	1.40	± 0.08 (10)	1.49	± 0.05 (10)	1.54	± 0.06 (10)	1.48	± 0.08 (10)	1.50	± 0.05 (10)	1.53	± 0.05 (10)
R. Testis												
Absolute (g)	1.788	± 0.046 (10)	1.715	± 0.059 (10)	1.760	± 0.052 (10)	1.751	± 0.040 (10)	1.732	± 0.064 (10)	1.741	± 0.047 (10)
Relative (mg/g)	4.35	± 0.18 (10)	4.27	± 0.08 (10)	4.47	± 0.11 (10)	4.51	± 0.17 (10)	4.31	± 0.14 (10)	4.48	± 0.08 (10)
Thymus												
Absolute (g)	0.519	± 0.031 (10)	0.543	± 0.034 (10)	0.530	± 0.023 (10)	0.523	± 0.030 (10)	0.528	± 0.024 (10)	0.514	± 0.031 (10)
Relative (mg/g)	1.26	± 0.07 (10)	1.36	± 0.09 (10)	1.35	± 0.07 (10)	1.33	± 0.06 (10)	1.31	± 0.05 (10)	1.32	± 0.06 (10)

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Females: Day 94 Females

	Treatment Groups (ppm)					
	0	50	100	200	400	800
Terminal Body Wt.	238.5 ± 5.2 (10)	242.3 ± 5.8 (10)	238.3 ± 7.1 (10)	234.0 ± 7.2 (10)	244.5 ± 4.4 (10)	237.1 ± 7.4 (10)
Heart						
Absolute (g)	0.71 ± 0.02 (10)	0.77 ± 0.02 (10)	0.75 ± 0.02 (10)	0.75 ± 0.04 (10)	0.77 ± 0.01 (10)	0.75 ± 0.02 (10)
Relative (mg/g)	2.97 ± 0.06 (10)	3.17 ± 0.09 (10)	3.14 ± 0.07 (10)	3.19 ± 0.07 (10)	3.15 ± 0.04 (10)	3.17 ± 0.06 (10)
R. Kidney						
Absolute (g)	0.81 ± 0.02 (10)	0.81 ± 0.02 (10)	0.82 ± 0.03 (10)	0.79 ± 0.02 (10)	0.84 ± 0.02 (10)	0.84 ± 0.03 (10)
Relative (mg/g)	3.41 ± 0.06 (10)	3.36 ± 0.09 (10)	3.46 ± 0.12 (10)	3.36 ± 0.06 (10)	3.43 ± 0.08 (10)	3.54 ± 0.08 (10)
Liver						
Absolute (g)	7.11 ± 0.21 (10)	7.39 ± 0.27 (10)	7.39 ± 0.33 (10)	7.02 ± 0.25 (10)	7.66 ± 0.18 (10)	7.38 ± 0.26 (10)
Relative (mg/g)	29.82 ± 0.56 (10)	30.47 ± 0.74 (10)	30.97 ± 0.91 (10)	29.99 ± 0.55 (10)	31.32 ± 0.42 (10)	31.17 ± 0.61 (10)
Lung						
Absolute (g)	1.44 ± 0.04 (10)	1.44 ± 0.05 (10)	1.45 ± 0.04 (10)	1.50 ± 0.07 (10)	1.58 ± 0.07 (10)	1.49 ± 0.07 (10)
Relative (mg/g)	6.05 ± 0.16 (10)	5.98 ± 0.22 (10)	6.08 ± 0.14 (10)	6.44 ± 0.29 (10)	6.47 ± 0.27 (10)	6.31 ± 0.33 (10)
Spleen						
Absolute (g)	0.429 ± 0.019 (10)	0.422 ± 0.025 (10)	0.434 ± 0.019 (10)	0.419 ± 0.021 (10)	0.410 ± 0.024 (10)	0.398 ± 0.021 (10)
Relative (mg/g)	1.81 ± 0.09 (10)	1.74 ± 0.08 (10)	1.83 ± 0.08 (10)	1.79 ± 0.07 (10)	1.67 ± 0.09 (10)	1.67 ± 0.05 (10)
Thymus						
Absolute (g)	0.430 ± 0.022 (10)	0.434 ± 0.019 (10)	0.450 ± 0.025 (10)	0.474 ± 0.031 (10)	0.441 ± 0.016 (10)	0.474 ± 0.036 (10)
Relative (mg/g)	1.80 ± 0.06 (10)	1.80 ± 0.09 (10)	1.89 ± 0.10 (10)	2.03 ± 0.12 (10)	1.80 ± 0.07 (10)	1.99 ± 0.11 (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 ****