

RT-PCR Fold Change in Male HSD Rats

C13111-01 2-(2H-benzotriazol-2-yl)phenol

Parameter ^a	Control	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	Trend ^b
Kidney						
Havcr1	1.06 ± 0.21 (4)	1.08 ± 0.45 (5)	3.68 ± 2.92 (4)	1.21 ± 0.41 (5)	2.23 ± 1.49 (5)	0.935-
Liver						
Acot1	1.26 ± 0.42 (5)	1.23 ± 0.43 (3)	1.06 ± 0.51 (4)	1.13 ± 0.47 (4)	122.0 ± 87.78 (5) *	0.014+
Acox1	1.03 ± 0.12 (5)	0.98 ± 0.27 (5)	0.93 ± 0.06 (5)	0.99 ± 0.19 (5)	0.81 ± 0.23 (5)	0.566-
Ccng1	1.03 ± 0.11 (5)	2.73 ± 1.67 (5)	1.55 ± 0.10 (5)	1.27 ± 0.21 (5)	0.77 ± 0.15 (5)	0.473-
Cdkn1a	1.05 ± 0.16 (5)	1.55 ± 1.06 (5)	0.99 ± 0.14 (5)	1.01 ± 0.22 (5)	0.39 ± 0.06 (5)	0.094-
Cyp2b1	1.46 ± 0.52 (5)	0.85 ± 0.64 (5)	0.96 ± 0.36 (5)	1.10 ± 0.27 (5)	2.68 ± 1.83 (5)	0.566+
Cyp3a23/3a1	1.04 ± 0.15 (5)	1.23 ± 0.28 (5)	1.05 ± 0.11 (5)	1.10 ± 0.21 (5)	0.51 ± 0.10 (5)	0.069-
Cyp4a1	1.01 ± 0.06 (5)	1.25 ± 0.42 (5)	1.28 ± 0.18 (5)	2.25 ± 0.35 (5) *	4.80 ± 1.35 (5) **	<0.001+
Gstm3	1.03 ± 0.13 (5)	1.37 ± 0.36 (5)	0.87 ± 0.12 (5)	1.15 ± 0.23 (5)	0.54 ± 0.20 (5)	0.094-
Nqo1	1.11 ± 0.22 (5)	1.70 ± 0.89 (5)	1.48 ± 0.26 (5)	2.32 ± 0.64 (5)	1.37 ± 0.29 (5)	0.272+

The RT-PCR fold change values were calculated from the base signal values using the 2^{-ΔΔCt} method.

Gapdh was used as the reference housekeeping gene.

a: Results shown as mean ± standard error (N)

b: Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

* Statistically significant at P ≤ 0.05

** Statistically significant at P ≤ 0.01

Liver Cyp1b1 gene was excluded from the analysis.