

RT-PCR Fold Change in Male HSD Rats:

C13115-01 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxybenzenepropanoic acid, octyl ester

Parameter ^a	Control	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	Trend ^b
Kidney						
Havcr1	1.37 ± 0.49 (5)	0.68 ± 0.18 (5)	0.39 ± 0.12 (5)	0.49 ± 0.14 (5)	552.4 ± 134.3 (5)	0.339+
Liver						
Acot1	1.43 ± 0.60 (4)	3175 ± 981.1 (5) *	10622 ± 2340 (5) **	22066 ± 2268 (5) **	30784 ± 3601 (5) **	<0.001+
Acox1	1.01 ± 0.07 (5)	3.27 ± 0.51 (5) **	5.84 ± 0.90 (5) **	8.58 ± 0.80 (5) **	7.98 ± 1.20 (5) **	<0.001+
Ccng1	1.02 ± 0.11 (5)	0.74 ± 0.19 (5)	0.56 ± 0.14 (5)	0.66 ± 0.10 (5)	1.10 ± 0.17 (5)	0.667-
Cdkn1a	1.00 ± 0.04 (5)	0.34 ± 0.07 (5)	0.18 ± 0.04 (5) **	0.22 ± 0.06 (5) **	0.45 ± 0.13 (5)	0.011-
Cyp2b1	1.22 ± 0.40 (5)	5.53 ± 0.94 (5)	6.13 ± 2.55 (5)	11.43 ± 4.95 (5)	13.21 ± 7.18 (5)	0.05+
Cyp3a23/3a1	1.01 ± 0.07 (5)	0.84 ± 0.15 (5)	0.41 ± 0.08 (5) **	0.45 ± 0.05 (5) **	0.33 ± 0.07 (5) **	<0.001-
Cyp4a1	1.07 ± 0.17 (5)	39.27 ± 6.63 (5) **	48.33 ± 4.70 (5) **	64.64 ± 5.03 (5) **	61.75 ± 12.16 (5) **	<0.001+
Gstm3	1.02 ± 0.11 (5)	0.32 ± 0.03 (5) **	0.14 ± 0.03 (5) **	0.14 ± 0.03 (5) **	0.16 ± 0.07 (5) **	<0.001-
Nqo1	1.02 ± 0.11 (5)	0.53 ± 0.12 (5)	0.54 ± 0.07 (5)	0.72 ± 0.15 (5)	2.41 ± 0.54 (5)	0.214+

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