

RT-PCR Fold Change in Male HSD Rats
C13114-01 2-(2H-benzotriazol-2-yl)-4-tert-butylphenol

Parameter ^a	Control	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	Trend ^b
Kidney						
Havcr1	1.37 ± 0.55 (5)	1.76 ± 0.82 (5)	1.74 ± 1.03 (5)	2.30 ± 1.15 (5)	2.62 ± 1.20 (5)	0.214+
Liver						
Acot1	1.19 ± 0.33 (5)	0.86 ± 0.16 (5)	0.36 ± 0.14 (5)	0.53 ± 0.12 (4)	5.03 ± 3.84 (5)	0.576-
Acox1	1.01 ± 0.05 (5)	0.96 ± 0.03 (5)	0.85 ± 0.03 (5)	0.90 ± 0.06 (5)	0.90 ± 0.05 (5)	0.138-
Ccng1	1.01 ± 0.07 (5)	0.94 ± 0.04 (5)	0.86 ± 0.05 (5)	0.96 ± 0.03 (5)	0.90 ± 0.04 (5)	0.444-
Cdkn1a	1.02 ± 0.11 (5)	0.83 ± 0.08 (5)	0.63 ± 0.07 (5)*	0.77 ± 0.04 (5)	0.80 ± 0.09 (5)	0.115-
Cyp2b1	1.64 ± 0.67 (5)	0.90 ± 0.29 (5)	1.45 ± 0.39 (5)	1.97 ± 0.49 (5)	1.85 ± 0.78 (5)	0.444+
Cyp3a23/3a1	1.02 ± 0.09 (5)	1.02 ± 0.04 (5)	0.80 ± 0.07 (5)	0.93 ± 0.08 (5)	0.83 ± 0.06 (5)	0.077-
Cyp4a1	1.01 ± 0.08 (5)	0.77 ± 0.07 (5)	0.64 ± 0.05 (5)*	0.59 ± 0.05 (5)*	0.78 ± 0.16 (5)	0.015-
Gstm3	1.17 ± 0.31 (5)	1.11 ± 0.34 (5)	1.17 ± 0.27 (5)	1.99 ± 0.36 (5)	2.74 ± 0.74 (5)	0.007+
Nqo1	1.00 ± 0.04 (5)	1.27 ± 0.13 (5)	1.81 ± 0.17 (5)**	3.00 ± 0.21 (5)**	5.65 ± 1.99 (5)**	<0.001+

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.