

3-hydroxyphenylacetic acid: a blood pressure-reducing flavonoid metabolite

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Supplementary data

4 pages

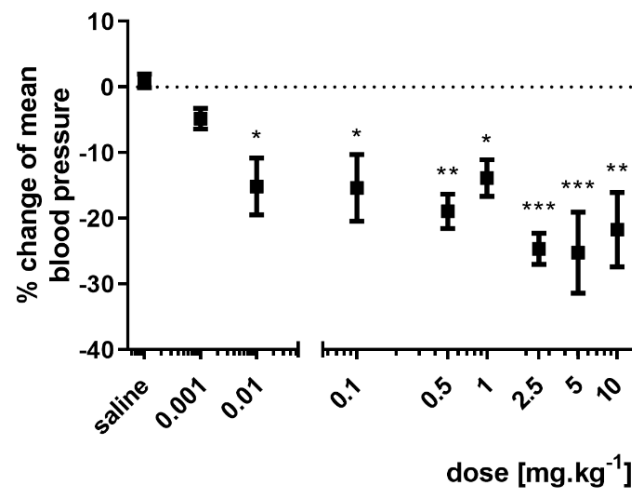


Figure S1. Changes in mean arterial blood pressure after *bolus* i.v. administration of 3-hydroxyphenylacetic acid. Doses ranged from 0.001 to 10 mg.kg⁻¹. Results are expressed as per cent decrease from the initial value. Spontaneously hypertensive rats (n=8) were used. The decrease in mean blood pressure was significant from a low dose of 0.01 mg.kg⁻¹. * p < 0.05, ** p < 0.01, *** p < 0.001 *vs.* saline.

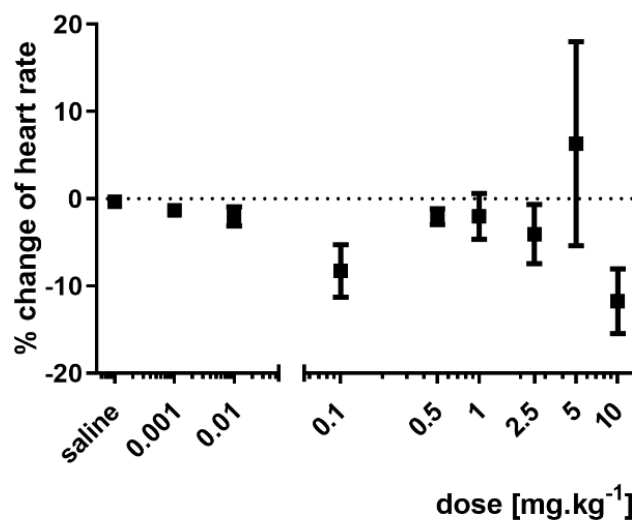


Figure S2. Changes in heart rate after *bolus* i.v. administration of 3-hydroxyphenylacetic acid. Doses ranged from 0.001 to 10 mg.kg⁻¹. Results are expressed as per cent change from the initial value in spontaneously hypertensive rats (n=8). No significant differences were found.

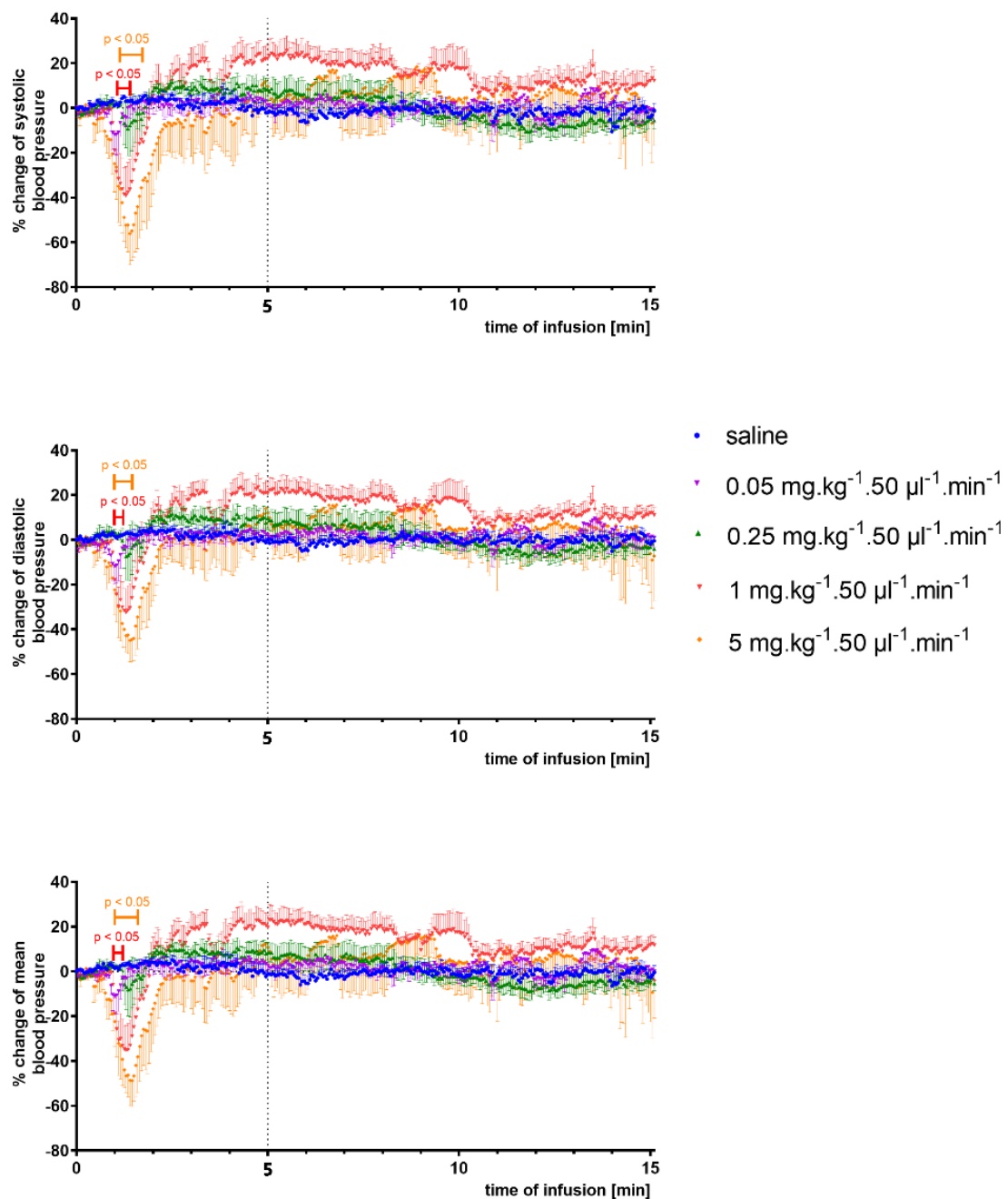


Figure S3. Effect of 3-hydroxyphenylacetic acid infusions (0.05, 0.25, 1 and 5 mg·kg⁻¹·min⁻¹) on systolic, diastolic and mean blood pressures in spontaneously hypertensive rats.

Saline was used as the solvent and hence also as the control. $p < 0.05$ vs. saline (n=4).

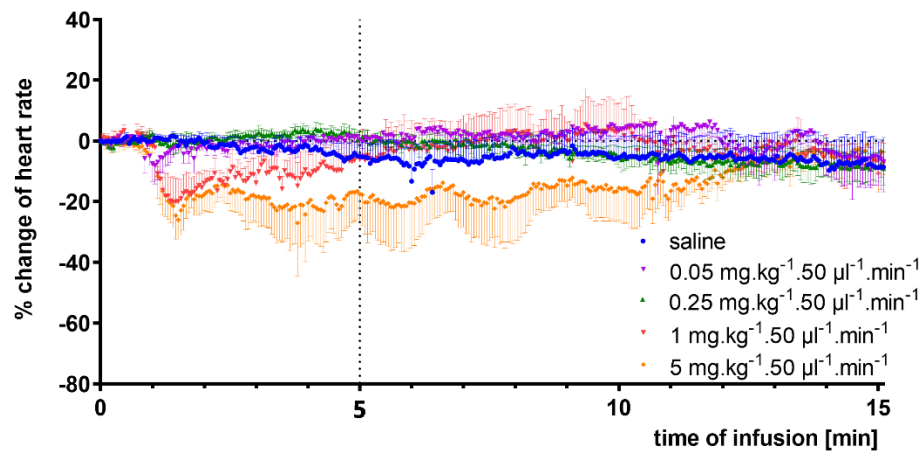


Figure S4. Effect of 3-hydroxyphenylacetic acid infusions (0.05, 0.25, 1 and 5 mg·kg⁻¹·min⁻¹) on heart rate in spontaneously hypertensive rats.

No significant differences were found (n=4).