

**Table 3**

Toxicokinetic parameters<sup>a</sup> for vinpocetine and apovincaminic acid in fetuses following a daily gavage dose of vinpocetine in HSD rats from GD6 to GD18.

Parameter	Dose	
	5 mg/kg	20 mg/kg
Vinpocetine		
C <sub>max</sub> _Observed (ng/g)	321	768
T <sub>max</sub> Observed (h)	1.00	0.750
λ <sub>z</sub> (h <sup>-1</sup> )	0.222	0.214
Half-life (h)	3.12	3.23
AUC (0-T) (ng/g·h)	1150	4260
AUC ∞ (ng/g·h)	1160	4300
Cl <sub>1_F</sub> (g/h/kg)	4330	4650
V <sub>1_F</sub> (g/kg)	19,500	21,700
Apovincaminic acid		
C <sub>max</sub> _Observed (ng/g)	25.0	83.7
T <sub>max</sub> Observed (h)	8.00	4.00
λ <sub>z</sub> (h <sup>-1</sup> )	0.136	0.108
Half-life (h)	5.09	6.42
AUC (0-T) (ng/g·h)	334	1160
AUC ∞ (ng/g·h)	353	1290
Cl <sub>1_F</sub> (g/h/kg)	14,100	15,600
V <sub>1_F</sub> (g/kg)	104,000	144,000

<sup>a</sup> Based on non-compartmental analysis.