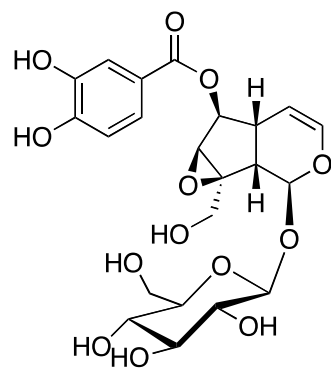


Verproside



Verproside

- 【化合物名】 Verproside
- 【対象】 ラット (Sprague-Dawley rat)
- 【測定機器】 LC/MS (negative electrospray ionization)
- 【代謝パラメータ】

Pharmacokinetic parameters of verproside after intravenous administration

Parameters	2 mg/kg (n=6)	5 mg/kg (n=6)	10 mg/kg (n=6)
$t_{1/2}$	13.6 ± 4.6	12.2 ± 2.5	16.6 ± 3.6
AUC _{0-∞} (μ g · min/mL)	26.9 ± 3.3	59.6 ± 10.1	179.4 ± 24.5*
MRT (min)	6.2 ± 0.9	8.0 ± 1.1	9.1 ± 1.1
CL (mL/min/kg)	75.3 ± 9.1	86.2 ± 16.3	56.7 ± 8.5*
CL _R (mL/min/kg)	4.1 ± 1.9	3.7 ± 2.4	2.8 ± 1.0
CL _{NR} (mL/min/kg)	71.1 ± 8.3	82.5 ± 15.2	54.6 ± 9.9*
V _{ss} (mL/kg)	532 ± 105	768 ± 179	542 ± 85.1
Ae _{0-24h} (% of dose)	5.5 ± 2.3	3.3 ± 0.6	6.2 ± 3.1
GI _{24h} (% of dose)	0.71 ± 0.34	0.32 ± 0.26	0.48 ± 0.37

Values represent mean ± SD. * The values were significantly different from 2 and 5 mg/kg ($p<0.05$). Eun Jeong Park et al., *Arch. Pharm. Res.* **32**: 559-564 (2009).

Pharmacokinetic parameters of verproside after oral administration

Parameters	20 mg/kg (n=7)	50 mg/kg (n=5)	100 mg/kg (n=8)
$t_{1/2}$	NC	83.3 ± 64.3	50.7 ± 33.2
AUC ($\mu\text{g} \cdot \text{min/mL}$)	NC	2.05 ± 1.15	6.60 ± 3.29
$T_{\max}$ (min)	NC	21.0 ± 13.4	16.9 ± 5.3
$C_{\max}$ (ng/mL)	NC	23.5 ± 7.6	83.4 ± 26.5*
Ae_{0-24h} (% of dose)	0.014 ± 0.011	0.036 ± 0.039	0.026 ± 0.013
GI_{24h} (% of dose)	0.72 ± 0.84	0.08 ± 0.002	0.28 ± 0.07
$F(\%)$	NC	0.3	0.5

Values represent mean ± SD. * The values were significantly different from 2 and 5 mg/kg ($p < 0.05$). Eun Jeong Park et al., *Arch. Pharm. Res.* **32**: 559-564 (2009).

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