

Molecules

Supplementary Information

Modulation of Rat Hepatic CYP1A and 2C Activity by Honokiol and Magnolol: Differential Effects on Phenacetin and Diclofenac Pharmacokinetics In Vivo

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Table S1. Pharmacokinetic parameters of honokiol and magnolol reported in previous literatures on rat intravenous and oral pharmacokinetic studies.

Parameter	Honokiol		Magnolol	
	IV	PO	IV	PO
Dose (mg/kg)	5	41.4	5	56.3
AUC ($\mu\text{g}\cdot\text{min}/\text{mL}$)	58.87	113.28	173.56	631.44
CL (mL/min/kg)	86.16		27.05	
V _{ss} (mL/kg)	2542		1619	
C _{max} ($\mu\text{g}/\text{mL}$)		1.026		6.769
F (%)		23.2		32.3
Reference	[1]	[2]	[3]	[2]

References for Supplementary Information

1. Tsai, T. H.; Chou, C. J.; Cheng, F. C.; Chen, C. F. Pharmacokinetics of honokiol after intravenous administration in rats assessed using high-performance liquid chromatography. *J Chromatogr. B* **1994**, 655, 41-45.
2. Hu, H.; Wang, Z.; Hua, W.; You, Y.; Zou, L. Effect of chemical profiling change of processed *Magnolia officinalis* on the pharmacokinetic profiling of honokiol and magnolol in rats. *J. Chromatogr. Sci.* **2016**, 54, 1201-1212.
3. Tsai, T. H.; Chou, C. J.; Chen, C. F. Pharmacokinetics and brain distribution of magnolol in the rat after intravenous bolus injection. *J. Pharm. Pharmacol.* **1996**, 48, 57-59.