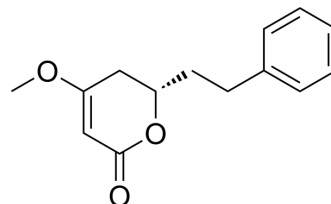


Dihydrokavain

Cat. No.:	HY-N0920
CAS No.:	587-63-3
Molecular Formula:	C ₁₄ H ₁₆ O ₃
Molecular Weight:	232.28
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (430.51 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		4.3051 mL	21.5257 mL	43.0515 mL
		5 mM		0.8610 mL	4.3051 mL	8.6103 mL
		10 mM		0.4305 mL	2.1526 mL	4.3051 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.76 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (10.76 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (10.76 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Dihydrokavain is one of the six major kavalactones found in the kava plant; appears to contribute significantly to the anxiolytic effects of kava, based on a study in chicks.
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REFERENCES

[1]. Feltenstein MW, et al. Anxiolytic properties of Piper methysticum extract samples and fractions in the chick social-separation-stress procedure. *Phytother Res.* 2003 Mar;17(3):210-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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