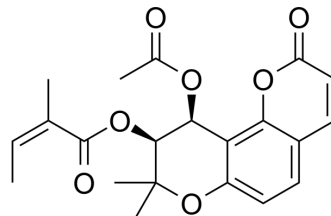


(±)-Praeruptorin A

Cat. No.:	HY-N0081
CAS No.:	73069-25-7
Molecular Formula:	C ₂₁ H ₂₂ O ₇
Molecular Weight:	386.4
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
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 (258.80 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.5880 mL	12.9400 mL	25.8799 mL
		5 mM	0.5176 mL	2.5880 mL	5.1760 mL
	10 mM	0.2588 mL	1.2940 mL	2.5880 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 (6.47 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.47 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.47 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(±)-Praeruptorin A is the di-esterified product of cis-khellactone (CKL) and the major active ingredient in Peucedani Radix which consists of the dried roots of Peucedanum praeruptorumDunn (Apiaceae). (±)-Praeruptorin A has been widely employed as one of the famous traditional Chinese medicines (TCMs) for the treatment of cough with thick sputum and dyspnea, nonproductive cough and upper respiratory infections for centuries in China. (±)-Praeruptorin A has dramatically therapeutic effects on hypertension mainly through acting as a Ca ²⁺ -influx blocker ^[1] .
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REFERENCES

[1]. Song YL, et al. Metabolic characterization of (±)-prauerptorin A in vitro and in vivo by high performance liquid chromatography coupled with hybrid triple quadrupole-linear ion trap mass spectrometry and time-of-flight mass spectrometry. J Pharm Biomed Ana

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

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