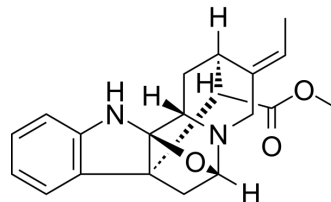


Picrinine

Cat. No.:	HY-N2074
CAS No.:	4684-32-6
Molecular Formula:	C ₂₀ H ₂₂ N ₂ O ₃
Molecular Weight:	338.4
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (98.49 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9551 mL	14.7754 mL	29.5508 mL
		5 mM	0.5910 mL	2.9551 mL	5.9102 mL
		10 mM	0.2955 mL	1.4775 mL	2.9551 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: ≥ 1 mg/mL (2.96 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (2.96 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (2.96 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Picrinine, an akuammiline alkaloid, is isolated from the leaves of <i>Alstonia scholaris</i> . Picrinine exhibits anti-inflammatory activity through inhibition of the 5-lipoxygenase enzyme ^[1] .
IC ₅₀ & Target	5-Lipoxygenase

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA