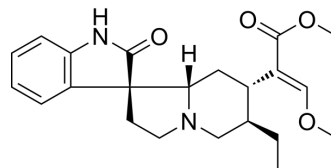


Isorhynchophylline

Cat. No.:	HY-N0766	
CAS No.:	6859-01-4	
Molecular Formula:	C ₂₂ H ₂₈ N ₂ O ₄	
Molecular Weight:	384.47	
Target:	SOD	
Pathway:	Immunology/Inflammation	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (260.10 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.6010 mL	13.0049 mL	26.0098 mL
	5 mM	0.5202 mL	2.6010 mL	5.2020 mL
	10 mM	0.2601 mL	1.3005 mL	2.6010 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: ≥ 2.75 mg/mL (7.15 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.75 mg/mL (7.15 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Isorhynchophylline is an alkaloid compound isolated from Uncaria. It can lower blood pressure, relax blood vessels, and protect nerves from damage caused by local ischemia.
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REFERENCES

- [1]. Yan-Fang Xian, et al. Isorhynchophylline improves learning and memory impairments induced by D-galactose in mice. *Neurochemistry International* Volume 76, October 2014, Pages 42–49
- [2]. Guo H, et al. Isorhynchophylline protects against pulmonary arterial hypertension and suppresses PASMCs proliferation. *Biochem Biophys Res Commun.* 2014 Jul

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

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