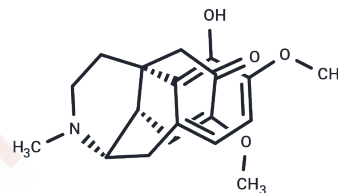


Sinomenine

Chemical Properties

CAS No. :	115-53-7
Formula:	C ₁₉ H ₂₃ NO ₄
Molecular Weight:	329.39
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sinomenine (Kukoline) is a pure alkaloid isolated from the <i>Sinomenium acutum</i> , is utilized in the treatment of rheumatism and arthritis.
Targets(IC50)	Apoptosis,NF-κB,Opioid Receptor,Autophagy
In vivo	Sinomenine is currently believed to primarily mediate its effects through the release of histamine and may also exert anti-rheumatic properties by mechanisms such as inhibiting the synthesis of prostaglandins, leukotrienes, and nitric oxide.

Solubility Information

Solubility	DMSO: 45 mg/mL (136.62 mM),Sonication is recommended. H2O: 10 mg/mL (30.36 mM),when pH is adjusted to 1 with 1M HCl, sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0359 mL	15.1796 mL	30.3591 mL
5 mM	0.6072 mL	3.0359 mL	6.0718 mL
10 mM	0.3036 mL	1.518 mL	3.0359 mL
50 mM	0.0607 mL	0.3036 mL	0.6072 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

- Liu L, et al. Int J Immunopharmacol, 1996, 18(10), 529-543.
Yamasaki H, et al. Acta Med Okayama, 1976, 30(1), 1-20.
Liu L, et al. Arzneimittelforschung, 1994, 44(11), 1223-1226.

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