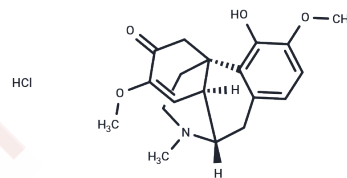


Sinomenine hydrochloride

Chemical Properties

CAS No. :	6080-33-7
Formula:	C ₁₉ H ₂₄ ClNO ₄
Molecular Weight:	365.85
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sinomenine hydrochloride (Kukoline hydrochloride) is extracted from Sinomenium Acutum Rehderett Wilson.
Targets(IC50)	Apoptosis,NF-κB,Opioid Receptor,Autophagy

Solubility Information

Solubility	DMSO: 250 mg/mL (683.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (5.47 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7334 mL	13.6668 mL	27.3336 mL
5 mM	0.5467 mL	2.7334 mL	5.4667 mL
10 mM	0.2733 mL	1.3667 mL	2.7334 mL
50 mM	0.0547 mL	0.2733 mL	0.5467 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Song L, et al. Biochem Biophys Res Commun. 2015 Aug 28;464(3):705-10.

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