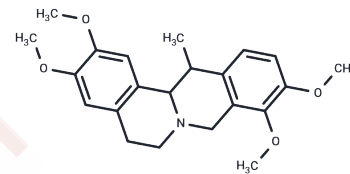


Corydaline

Chemical Properties

CAS No. :	518-69-4
Formula:	C ₂₂ H ₂₇ NO ₄
Molecular Weight:	369.45
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Corydaline (Corydalin), an isoquinoline alkaloid, is one of the major active constituents in a new prokinetic botanical agent. 2. Corydaline promotes gastric emptying and small intestinal transit and facilitates gastric accommodation. 3. Corydaline exhibits the anti-acetylcholinesterase, antiallergic, and antinociceptive activities. 4. Corydaline has potent inhibition of CYP2C19 and CYP2C9.
Targets(IC50)	Opioid Receptor,Cholinesterase (ChE),Cytochromes P450,Virus Protease

Solubility Information

Solubility	DMSO: 55 mg/mL (148.87 mM),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	2.7067 mL	13.5336 mL	27.0673 mL
5 mM	0.5413 mL	2.7067 mL	5.4135 mL
10 mM	0.2707 mL	1.3534 mL	2.7067 mL
50 mM	0.0541 mL	0.2707 mL	0.5413 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

Ji H Y , Lee H , Kim J H , et al. In vitro metabolism of corydaline in human liver microsomes and hepatocytes using liquid chromatography-ion trap mass spectrometry[J]. Journal of Separation Science, 2012, 35(9):1102-1109.

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