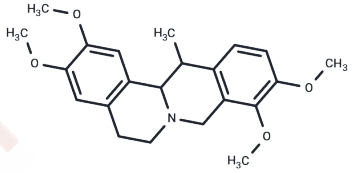
Data Sheet (Cat.No.T5S2360)

TargetMol

Corydaline

Chemical Properties



CAS No. : 518-69-4

Formula: C22H27NO4

Molecular Weight: 369.45

Storage: Keep away from direct sunlight
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	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: 137.5 mg/mL (372.17 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 mg/mL (5.41 mM),Sonication is recommended. *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.*

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.

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

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.