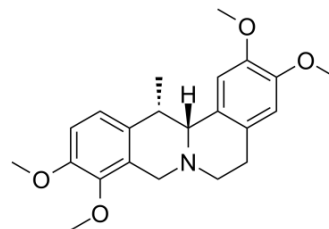


Corydaline

Cat. No.:	HY-N0923		
CAS No.:	518-69-4		
Molecular Formula:	C ₂₂ H ₂₇ NO ₄		
Molecular Weight:	369.45		
Target:	AChE		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (90.22 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

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: ≥ 2.5 mg/mL (6.77 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Corydaline is an acetylcholinesterase inhibitor isolated from *Corydalis yanhusuo*.

REFERENCES

[1]. Xiao HT, et al. Acetylcholinesterase inhibitors from *Corydalis yanhusuo*. Nat Prod Res. 2011 Sep;25(15):1418-22.

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

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