

Corydine

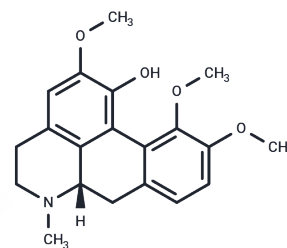
Chemical Properties

CAS No. : 476-69-7

Formula: C₂₀H₂₃NO₄

Molecular Weight: 341.4

Storage: Keep away from moisture, 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	Corydine is an alkaloid discovered in Croton echinocarpus. It can inhibit reverse transcriptase (RT) activity (IC ₅₀ = 356.8 µg/mL) and has HIV inhibitory activity.
Targets(IC ₅₀)	Reverse Transcriptase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9291 mL	14.6456 mL	29.2912 mL
5 mM	0.5858 mL	2.9291 mL	5.8582 mL
10 mM	0.2929 mL	1.4646 mL	2.9291 mL
50 mM	0.0586 mL	0.2929 mL	0.5858 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

N.Ravanelli, et al. Alkaloids from Croton echinocarpus Baill.: Anti-HIV potential. South African Journal of Botany. 2016 Jan, 102: 153-156

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