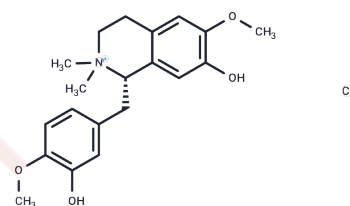


Tembetarine chloride

Chemical Properties

CAS No. : 2824-94-4
 Formula: C₂₀H₂₆ClNO₄
 Molecular Weight: 379.878
 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	Tembetarine chloride is an alkaloid isolated from <i>Tinospora cordifolia</i> , known for its antibacterial properties. It exhibits mild cytotoxicity against mouse fibroblast cells (L929) and human embryonic kidney cells (HEK293), with IC ₅₀ values of 1245.33 µg/mL and 1642.81 µg/mL, respectively.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6324 mL	13.1621 mL	26.3241 mL
5 mM	0.5265 mL	2.6324 mL	5.2648 mL
10 mM	0.2632 mL	1.3162 mL	2.6324 mL
50 mM	0.0526 mL	0.2632 mL	0.5265 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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