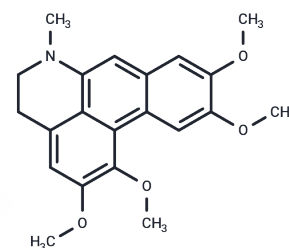


Dehydroglaucine

Chemical Properties

CAS No. :	22212-26-6
Formula:	C ₂₁ H ₂₃ NO ₄
Molecular Weight:	353.41
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	Dehydroglaucine is an acetylcholinesterase inhibitor, it shows antimicrobial activity against Staphylococcus aureus, Mycobacterium smegmatis, Candida albicans, and Aspergillus niger.
Targets(IC50)	Antibacterial, Antifection
In vitro	Separation of the active alkaloidal fraction by chromatography led to the isolation and identification of Dehydroglaucine and liriodenine as the active components.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8296 mL	14.1479 mL	28.2957 mL
5 mM	0.5659 mL	2.8296 mL	5.6591 mL
10 mM	0.283 mL	1.4148 mL	2.8296 mL
50 mM	0.0566 mL	0.283 mL	0.5659 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

Two antimicrobial alkaloids from heartwood of Liriodendron tulipifera L. Journal of Pharmaceutical Sciences, 1975, 64(5):789-792.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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