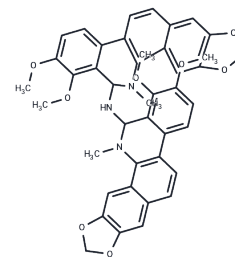


Bis(dihydrochelerythriny)amine

Chemical Properties

CAS No. :	165393-48-6
Formula:	C42H37N3O8
Molecular Weight:	711.76
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	BIS-[6-(5,6-dihydro-chelerythriny)] ether shows strong activity against <i>Aspergillus fumigatus</i> and methicillin-resistant <i>Staphylococcus aureus</i> (MRSA).
Targets(IC50)	Antibacterial, Antifection
In vitro	From the leaves and bark of <i>Zanthoxylum monophyllum</i> , a new lignan, 3-methoxy-3',4'-methylenedioxy lignan-4,8,9,9'-tetraol (1), has been isolated along with 22 known compounds (2- 23), fifteen of them reported for the first time from <i>Z. monophyllum</i> . Their chemical structures were elucidated using detailed spectroscopic studies and chemical analysis. All compounds were evaluated for antimicrobial and antiprotozoal activities.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.405 mL	7.0248 mL	14.0497 mL
5 mM	0.281 mL	1.405 mL	2.8099 mL
10 mM	0.1405 mL	0.7025 mL	1.405 mL
50 mM	0.0281 mL	0.1405 mL	0.281 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

Chemical constituents, antimicrobial and antimalarial activities of *Zanthoxylum monophyllum*. *Planta Med.* 2011 Sep;77(13):1542-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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