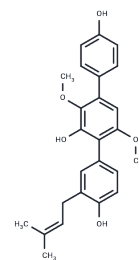


Prenylterphenyllin

Chemical Properties

CAS No. :	959124-85-7
Formula:	C ₂₅ H ₂₆ O ₅
Molecular Weight:	406.47
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	Prenylterphenyllin (Compound 1) is an antimicrobial agent isolated from the marine fungus <i>Aspergillus candidus</i> IF10. It exhibits cytotoxic activity against KB3-1 cells with an IC ₅₀ of 8.5 mg/mL. Additionally, prenylterphenyllin shows antibacterial activity against both <i>Xanthomonas oryzae</i> and <i>Erwinia amylovora</i> , with a minimum inhibitory concentration (MIC) of 20 µg/mL for both.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4602 mL	12.301 mL	24.6021 mL
5 mM	0.492 mL	2.4602 mL	4.9204 mL
10 mM	0.246 mL	1.2301 mL	2.4602 mL
50 mM	0.0492 mL	0.246 mL	0.492 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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