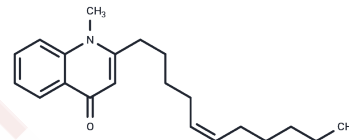


4(1H)-Quinolinone, 1-methyl-2-(5Z)-5-undecen-1-yl-

Chemical Properties

CAS No. :	182056-11-7
Formula:	C ₂₁ H ₂₉ NO
Molecular Weight:	311.46
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	4(1H)-Quinolinone, 1-methyl-2-(5Z)-5-undecen-1-yl- (compound 2), a quinolone alkaloid extracted from <i>Cnidium</i> , demonstrates activity against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA), with minimum inhibitory concentration (MIC) values of 32 µg/mL (ATCC 33591) and 16 µM/mL (ATCC 25923) respectively [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2107 mL	16.0534 mL	32.1069 mL
5 mM	0.6421 mL	3.2107 mL	6.4214 mL
10 mM	0.3211 mL	1.6053 mL	3.2107 mL
50 mM	0.0642 mL	0.3211 mL	0.6421 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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