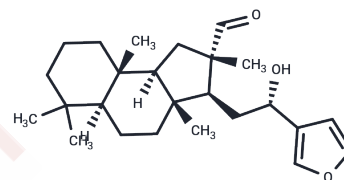


Hyrtilosol

Chemical Properties

CAS No. :	138355-07-4
Formula:	C ₂₅ H ₃₈ O ₃
Molecular Weight:	386.57
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	Hyrtilosol, discovered in the marine sponge Hyrtios erectus, is an inhibitor of HIV-1 integrase (HIV-1IN) at the N-terminal domain (NTD), exhibiting an IC ₅₀ value of 9.60-0.86 μM. It binds to the Ser17, Trp19, and Lys34 sites on the NTD of HIV-1IN, thereby preventing the integration of HIV-1 viral DNA with the enzyme and disrupting the formation of the HIV-1 pre-integration complex. Hyrtilosol holds potential for research as an anti-HIV agent.
Targets(IC ₅₀)	HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5869 mL	12.9343 mL	25.8685 mL
5 mM	0.5174 mL	2.5869 mL	5.1737 mL
10 mM	0.2587 mL	1.2934 mL	2.5869 mL
50 mM	0.0517 mL	0.2587 mL	0.5174 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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