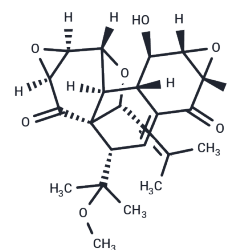


Hexacyclinol

Chemical Properties

CAS No. :	903574-41-4
Formula:	C ₂₃ H ₂₈ O ₇
Molecular Weight:	416.46
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Hexacyclinol exhibits moderate activity against Gram-positive bacteria and can inhibit oxidant production in yeast polysaccharide-stimulated polymorphonuclear leukocytes (PMNL) at concentrations of 4-40 µg/mL. It suppresses the growth of L-930 and K562 cells with IC ₅₀ values of 1.4 µg/mL and 0.4 µg/mL, respectively, and has an IC ₅₀ of 10 µg/mL for HeLa cells. Additionally, Hexacyclinol shows antimalarial activity, with an IC ₅₀ of 2.4 µg/mL against Plasmodium falciparum.
Targets(IC ₅₀)	Antibacterial, Antibiotic, Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4012 mL	12.006 mL	24.0119 mL
5 mM	0.4802 mL	2.4012 mL	4.8024 mL
10 mM	0.2401 mL	1.2006 mL	2.4012 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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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