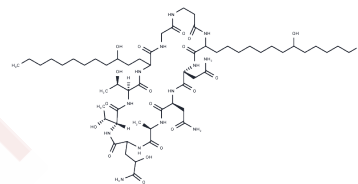


Arborcandin C

Chemical Properties

CAS No. :	223465-77-8
Formula:	C ₅₉ H ₁₀₅ N ₁₃ O ₁₈
Molecular Weight:	1284.54
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	Arborcandin C is an inhibitor of 1,3-β-glucan synthase, functioning as an antifungal antibiotic. It exhibits IC ₅₀ values of 0.15 μg/mL against <i>Candida albicans</i> (<i>C. albicans</i>) and 0.015 μg/mL against <i>Aspergillus fumigatus</i> (<i>A. fumigatus</i>). The compound's minimum inhibitory concentration (MIC) for <i>Candida</i> species ranges from 1-2 μg/mL.
Targets(IC ₅₀)	Antibiotic,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7785 mL	3.8924 mL	7.7849 mL
5 mM	0.1557 mL	0.7785 mL	1.557 mL
10 mM	0.0778 mL	0.3892 mL	0.7785 mL
50 mM	0.0156 mL	0.0778 mL	0.1557 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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