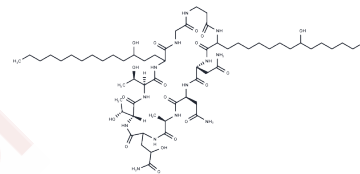


## Arborcandin F

## Chemical Properties

CAS No. :	223465-81-4
Formula:	C <sub>61</sub> H <sub>109</sub> N <sub>13</sub> O <sub>18</sub>
Molecular Weight:	1312.59
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 F, a 1,3-β-glucan synthase inhibitor, serves as an antifungal antibiotic. It exhibits IC <sub>50</sub> values of 0.012 μg/mL against <i>Candida albicans</i> ( <i>C. albicans</i> ) and <i>Aspergillus fumigatus</i> ( <i>A. fumigatus</i> ). For <i>Candida</i> species, the minimum inhibitory concentration (MIC) of Arborcandin F ranges from 0.25 to 1 μg/mL.
Targets(IC <sub>50</sub> )	Antibiotic, Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7619 mL	3.8093 mL	7.6185 mL
5 mM	0.1524 mL	0.7619 mL	1.5237 mL
10 mM	0.0762 mL	0.3809 mL	0.7619 mL
50 mM	0.0152 mL	0.0762 mL	0.1524 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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