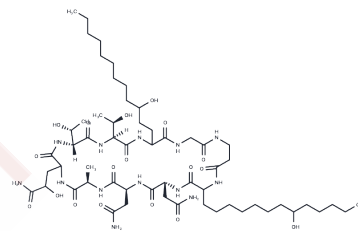


## Arborcandin B

## Chemical Properties

CAS No. : 223465-78-9  
 Formula: C<sub>58</sub>H<sub>103</sub>N<sub>13</sub>O<sub>18</sub>  
 Molecular Weight: 1270.52  
 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 B is an inhibitor of 1,3-β-glucan synthase and serves as an antifungal antibiotic. The IC <sub>50</sub> values of Arborcandin B for <i>Candida albicans</i> ( <i>C. albicans</i> ) and <i>Aspergillus fumigatus</i> ( <i>A. fumigatus</i> ) are 0.30 μg/mL and 0.025 μg/mL, respectively. The minimum inhibitory concentration (MIC) for <i>Candida</i> species is 2-4 μg/mL.
Targets(IC <sub>50</sub> )	Antibiotic,Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7871 mL	3.9354 mL	7.8708 mL
5 mM	0.1574 mL	0.7871 mL	1.5742 mL
10 mM	0.0787 mL	0.3935 mL	0.7871 mL
50 mM	0.0157 mL	0.0787 mL	0.1574 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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