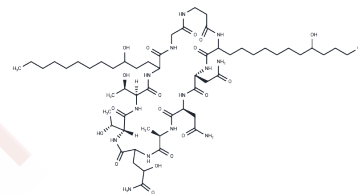


## Arborcandin A

## Chemical Properties

CAS No. :	223465-76-7
Formula:	C <sub>57</sub> H <sub>101</sub> N <sub>13</sub> O <sub>18</sub>
Molecular Weight:	1256.49
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 A is a 1,3- $\beta$ -glucan synthase inhibitor, acting as an antifungal antibiotic. It exhibits IC <sub>50</sub> values of 0.25 $\mu$ g/mL against <i>Candida albicans</i> ( <i>C. albicans</i> ) and 0.05 $\mu$ g/mL against <i>Aspergillus fumigatus</i> ( <i>A. fumigatus</i> ). The MIC for the <i>Candida</i> species is 4-8 $\mu$ g/mL.
Targets(IC <sub>50</sub> )	Antibiotic,Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7959 mL	3.9793 mL	7.9587 mL
5 mM	0.1592 mL	0.7959 mL	1.5917 mL
10 mM	0.0796 mL	0.3979 mL	0.7959 mL
50 mM	0.0159 mL	0.0796 mL	0.1592 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481