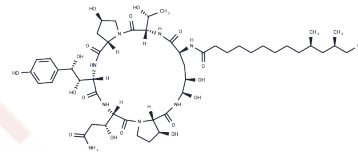


## Pneumocandin B0

## Chemical Properties

CAS No. :	135575-42-7
Formula:	C <sub>50</sub> H <sub>80</sub> N <sub>8</sub> O <sub>17</sub>
Molecular Weight:	1065.21
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	Pneumocandin B0 (L-688786) is a natural product and a key intermediate in the synthesis of the antifungal agent.
Targets(IC50)	Antibiotic, Antifungal

## Solubility Information

Solubility	DMSO: 100 mg/mL (93.88 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (3.76 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9388 mL	4.6939 mL	9.3878 mL
5 mM	0.1878 mL	0.9388 mL	1.8776 mL
10 mM	0.0939 mL	0.4694 mL	0.9388 mL
50 mM	0.0188 mL	0.0939 mL	0.1878 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.

### Reference

Leonard W R , Belyk K M , Conlon D A , et al. Synthesis of the Antifungal  $\beta$ -1,3-Glucan Synthase Inhibitor CANCIDAS (Caspofungin Acetate) from Pneumocandin B 0[J]. The Journal of Organic Chemistry, 2007, 72(7):2335-2343.

Welch C J , Dasilva J O , Nti-Gyabaah J , et al. Preparation and evaluation of novel stationary phases for improved chromatographic purification of pneumocandin B0[J]. Journal of Chromatography A, 2006, 1101(1-2):204-213.

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