

Pneumocandin B0

Chemical Properties

CAS No.:	135575-42-7
Formula:	C ₅₀ H ₈₀ N ₈ O ₁₇
Molecular Weight:	1065.21
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Pneumocandin B0 is a natural product and a key intermediate in the synthesis of the antifungal agent.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 100 mg/mL (93.87 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.939 mL	4.694 mL	9.388 mL
5 mM	0.188 mL	0.939 mL	1.878 mL
10 mM	0.094 mL	0.469 mL	0.939 mL
50 mM	0.019 mL	0.094 mL	0.188 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Leonard W R , Belyk K M , Conlon D A , et al. Synthesis of the Antifungal β -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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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481