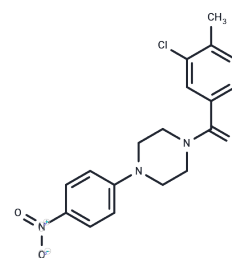


Filastatin

Chemical Properties

CAS No. :	431996-53-1
Formula:	C ₁₈ H ₁₈ ClN ₃ O ₃
Molecular Weight:	359.81
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	Filastatin is a durable inhibitor of <i>Candida albicans</i> filamentation and exhibits potent antifungal activity.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 22.5 mg/mL (62.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7792 mL	13.8962 mL	27.7924 mL
5 mM	0.5558 mL	2.7792 mL	5.5585 mL
10 mM	0.2779 mL	1.3896 mL	2.7792 mL
50 mM	0.0556 mL	0.2779 mL	0.5558 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

Ahmed Fazly, et al. Chemical screening identifies filastatin, a small molecule inhibitor of *Candida albicans* adhesion, morphogenesis, and pathogenesis. Proc Natl Acad Sci U S A. 2013 Aug 13;110(33):13594-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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