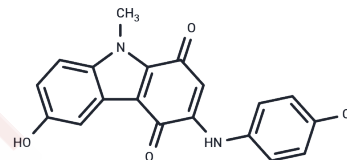


Antifungal agent 1

Chemical Properties

CAS No. :	1265166-14-0
Formula:	C ₁₉ H ₁₃ ClN ₂ O ₃
Molecular Weight:	352.77
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	Antifungal agent 1 is an effective antifungal agent.
Targets(IC50)	Others,Antifungal
In vitro	Antifungal agent 1 shows a potent inhibitory effect on <i>C. albicans</i> , <i>C. tropicalis</i> , <i>C. neoformans</i> , <i>C. krusei</i> (MICs: 6.3, 25.0, 25.0, 12.5 µg/mL).

Solubility Information

Solubility	DMSO: 100 mg/mL (283.47 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	2.8347 mL	14.1735 mL	28.3471 mL
5 mM	0.5669 mL	2.8347 mL	5.6694 mL
10 mM	0.2835 mL	1.4174 mL	2.8347 mL
50 mM	0.0567 mL	0.2835 mL	0.5669 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

Ryu CK, et al. Synthesis and antifungal evaluation of 6-hydroxy-1H-carbazole-1,4(9H)-diones. Bioorg Med Chem Lett. 2011 Jan 1;21(1):427-30.

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