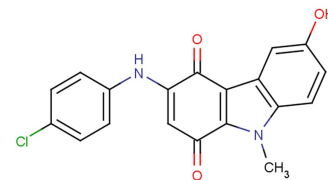


Antifungal agent 1

Chemical Properties

CAS No.:	1265166-14-0
Formula:	C ₁₉ H ₁₃ ClN ₂ O ₃
Molecular Weight:	352.77
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Antifungal agent 1 is an effective antifungal agent.
Targets(IC ₅₀)	Others: None
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) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.835 mL	14.174 mL	28.347 mL
5 mM	0.567 mL	2.835 mL	5.669 mL
10 mM	0.283 mL	1.417 mL	2.835 mL
50 mM	0.057 mL	0.283 mL	0.567 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

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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