

Antifungal agent 1

Chemical Properties

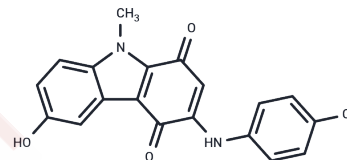
CAS No. : 1265166-14-0

Formula: C₁₉H₁₃ClN₂O₃

Molecular Weight: 352.77

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Antifungal agent 1 is an effective antifungal agent.
Targets(IC ₅₀)	Others
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.

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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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481