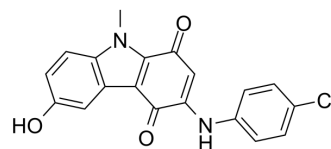


Antifungal agent 1

Cat. No.:	HY-102025		
CAS No.:	1265166-14-0		
Molecular Formula:	C ₁₉ H ₁₃ ClN ₂ O ₃		
Molecular Weight:	352.77		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (283.47 mM; ultrasonic and warming and heat to 63°C)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 2.5 mg/mL (7.09 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (7.09 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Antifungal agent 1 is a potent antifungal agent.

In Vitro

Antifungal agent 1 shows potent inhibitory effect on *C. albicans*, *C. tropicalis*, *C. krusei*, *C. neoformans*, with MIC values of 6.3, 25.0, 12.5, 25.0 μg/mL, respectively^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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