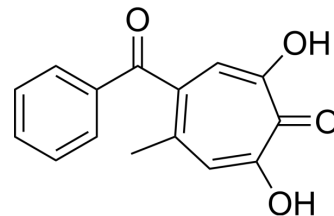


## Antifungal agent 49

Cat. No.:	HY-153410
CAS No.:	1414861-21-4
Molecular Formula:	C <sub>15</sub> H <sub>12</sub> O <sub>4</sub>
Molecular Weight:	256.25
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (97.56 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.9024 mL	19.5122 mL	39.0244 mL
				5 mM	0.7805 mL	3.9024 mL	7.8049 mL
				10 mM	0.3902 mL	1.9512 mL	3.9024 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.76 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.76 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Antifungal agent 49 (Example 112) is an antifungal agent. Antifungal agent 49 is active against <i>Cryptococcus neoformans</i> with a MIC value of 49 μM <sup>[1]</sup> .
In Vitro	Antifungal agent 49 (Example 112) (48 h) shows cytotoxicity with a CC <sub>50</sub> of 79 μM in HepDES 19 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Maureen J. DONLIN, et al. Anti-fungal compounds. Patent. WO2017184752. 2017-10-26.

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

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