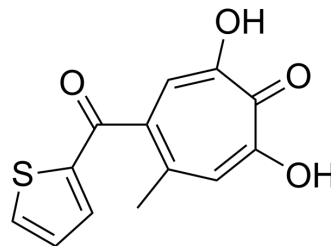


Antifungal agent 48

Cat. No.:	HY-153409
CAS No.:	2142003-75-4
Molecular Formula:	C ₁₃ H ₁₀ O ₄ S
Molecular Weight:	262.28
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (381.27 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.8127 mL	19.0636 mL	38.1272 mL
				5 mM	0.7625 mL	3.8127 mL	7.6254 mL
				10 mM	0.3813 mL	1.9064 mL	3.8127 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 (9.53 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.53 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Antifungal agent 48 (Example 308) is an antifungal agent. Antifungal agent 48 is active against <i>Cryptococcus neoformans</i> with a MIC value of 11 μM ^[1] .
In Vitro	Antifungal agent 48 (Example 308) (48 h) shows cytotoxicity with a CC ₅₀ of 24 μM in HepDES 19 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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

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