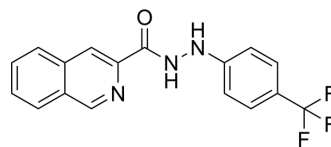


LW3

Cat. No.:	HY-155703		
CAS No.:	2803367-68-0		
Molecular Formula:	C ₁₇ H ₁₂ F ₃ N ₃ O		
Molecular Weight:	331.29		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (301.85 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	3.0185 mL	15.0925 mL	30.1850 mL
	5 mM	0.6037 mL	3.0185 mL	6.0370 mL
	10 mM	0.3019 mL	1.5093 mL	3.0185 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.55 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	LW3 is a potent antifungal agent. LW3 has antifungal activity with EC ₅₀ values of 0.54, 0.09, 1.52, and 2.65 mg/L against <i>B. cinerea</i> , <i>R. solani</i> , <i>S. sclerotiorum</i> , and <i>F. graminearum</i> , respectively ^[1] .
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REFERENCES

[1]. Yang C, et, al. Bioactivity-Guided Subtraction of MIQOX for Easily Available Isoquinoline Hydrazides as Novel Antifungal Candidates. *J Agric Food Chem.* 2023 Aug 2;71(30):11341-11349.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA