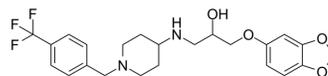


MoTPS1-IN-1

Cat. No.:	HY-155999		
CAS No.:	2991072-02-5		
Molecular Formula:	C ₂₃ H ₂₇ F ₃ N ₂ O ₄		
Molecular Weight:	452.47		
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 (221.01 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2101 mL	11.0505 mL	22.1009 mL
		5 mM	0.4420 mL	2.2101 mL	4.4202 mL
10 mM		0.2210 mL	1.1050 mL	2.2101 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 (5.53 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	MoTPS1-IN-1 (Compound j11), an antifungal agent, is a MoTPS1 inhibitor. MoTPS1-IN-1 acts by interaction with Glu396 in MoTPS1. MoTPS1-IN-1 inhibits pathogenicity of <i>M. oryzae</i> ^[1] .
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REFERENCES

[1]. Jiang Z, et al. Discovery of novel isopropanolamine inhibitors against MoTPS1 as potential fungicides with unique mechanisms. *Eur J Med Chem.* 2023 Nov 15;260:115755.

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