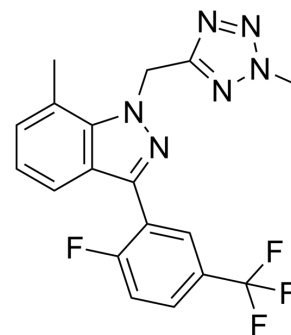


Inz-5

Cat. No.:	HY-121721
CAS No.:	1585214-21-6
Molecular Formula:	C ₁₈ H ₁₄ F ₄ N ₆
Molecular Weight:	390.34
Target:	Fungal
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (256.19 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5619 mL	12.8093 mL	25.6187 mL
				5 mM	0.5124 mL	2.5619 mL	5.1237 mL
				10 mM	0.2562 mL	1.2809 mL	2.5619 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 (6.40 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.40 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Inz-5 is a fungal-selective mitochondrial cytochrome bc1 inhibitor. Inz-5 impairs fungal virulence and prevents the evolution of agent resistance ^[1] .
IC ₅₀ & Target	Mitochondrial cytochrome bc1 ^[1]

REFERENCES

[1]. Vincent BM, et al. A Fungal-Selective Cytochrome bc1 Inhibitor Impairs Virulence and Prevents the Evolution of Drug Resistance. Cell Chem Biol. 2016 Aug 18;23(8):978-991.

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