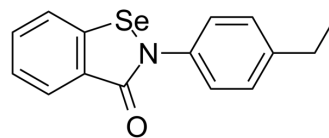


FBA-IN-1

Cat. No.:	HY-143899
CAS No.:	2605897-57-0
Molecular Formula:	C ₁₅ H ₁₃ NOSe
Molecular Weight:	302.23
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 (330.87 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3087 mL	16.5437 mL	33.0874 mL
		5 mM	0.6617 mL	3.3087 mL	6.6175 mL
		10 mM	0.3309 mL	1.6544 mL	3.3087 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 (8.27 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (8.27 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (8.27 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	FBA-IN-1 (compound 2a11) is a first-in-class, covalent and allosteric inhibitor of fructose-1,6-bisphosphate aldolase from <i>Candida albicans</i> (CaFBA). FBA-IN-1 inhibits the growth of Azole-resistant strains 103 with the MIC ₈₀ of 1 μg/mL ^[1] .
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REFERENCES

[1]. Wuqiang Wen, et al. Structure-Guided Discovery of the Novel Covalent Allosteric Site and Covalent Inhibitors of Fructose-1,6-Bisphosphate Aldolase to Overcome the Azole Resistance of Candidiasis. *J Med Chem.* 2022 Feb 10;65(3):2656-2674.

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

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