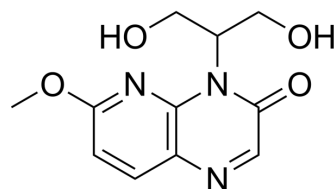


β-Lactamase-IN-1

Cat. No.:	HY-19773		
CAS No.:	1075237-97-6		
Molecular Formula:	C ₁₁ H ₁₃ N ₃ O ₄		
Molecular Weight:	251.24		
Target:	Bacterial; Beta-lactamase		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (398.03 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.9803 mL	19.9013 mL	39.8026 mL
		5 mM	0.7961 mL	3.9803 mL	7.9605 mL
10 mM		0.3980 mL	1.9901 mL	3.9803 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 (9.95 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 (9.95 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	β-Lactamase-IN-1 is an inhibitor of β-Lactamase extracted from patent WO2016027249A1, page 77. β-Lactamase-IN-1 can be used to prepare of tricyclic nitrogen containing compound. β-Lactamase-IN-1 can be used for the research of neisseria gonorrhoea infection ^[1] .
In Vitro	β-Lactamase-IN-1 can be used to prepare of tricyclic nitrogen containing compound which is an antibacterial agent ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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