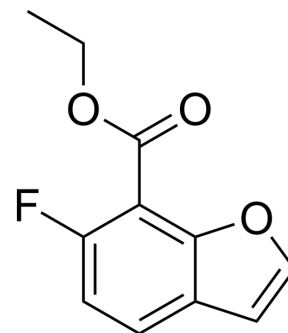


β-Lactamase-IN-2

Cat. No.:	HY-138247		
CAS No.:	2114651-20-4		
Molecular Formula:	C ₁₁ H ₉ FO ₃		
Molecular Weight:	208.19		
Target:	Bacterial; Antibiotic; Beta-lactamase		
Pathway:	Anti-infection		
Storage:	Pure form	-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 (480.33 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.8033 mL	24.0165 mL	48.0330 mL
	5 mM		0.9607 mL	4.8033 mL	9.6066 mL
	10 mM		0.4803 mL	2.4017 mL	4.8033 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (12.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.01 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

β-Lactamase-IN-2 is a beta-lactamase inhibitor, extracted from patent WO 2019075084 A1, compound 1. β-Lactamase-IN-2 has anti-microbial and anti-bacterial effects^[1].

REFERENCES

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

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