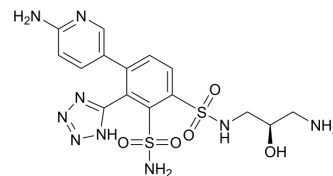


MK-3402

Cat. No.:	HY-148493		
CAS No.:	2058151-78-1		
Molecular Formula:	C ₁₅ H ₁₉ N ₉ O ₅ S ₂		
Molecular Weight:	469.5		
Target:	Bacterial		
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 (212.99 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1299 mL	10.6496 mL	21.2993 mL
	5 mM	0.4260 mL	2.1299 mL	4.2599 mL
	10 mM	0.2130 mL	1.0650 mL	2.1299 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 (5.32 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.32 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.32 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

MK-3402 is a metallo-beta-lactamase inhibitor (Example 303 in reference patent). MK-3402 can be used in the research of bacteria^[1].

REFERENCES

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

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