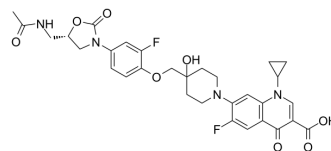


MCB-3681

Cat. No.:	HY-111902		
CAS No.:	790704-42-6		
Molecular Formula:	C ₃₁ H ₃₂ F ₂ N ₄ O ₈		
Molecular Weight:	626.6		
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 : 62.5 mg/mL (99.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.5959 mL	7.9796 mL	15.9591 mL
	5 mM	0.3192 mL	1.5959 mL	3.1918 mL
	10 mM	0.1596 mL	0.7980 mL	1.5959 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: ≥ 2.08 mg/mL (3.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.32 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MCB-3681 is the antibacterial Oxaquin's active substance, active against gram-positive bacterium^[1].

REFERENCES

- [1]. Mamun-Ur Rashid, et al. In vitro activity of MCB3681 against Clostridium difficile strains. Anaerobe 28 (2014) 216-219.

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

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