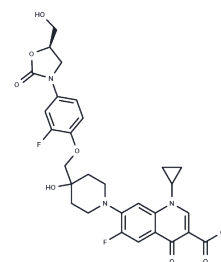


Cadazolid

Chemical Properties

CAS No. :	1025097-10-2
Formula:	C ₂₉ H ₂₉ F ₂ N ₃ O ₈
Molecular Weight:	585.55
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cadazolid (ACT-179811) is an oxazolidinone-type antibiotic, with activity against gram-positive bacteria, including <i>Clostridium difficile</i> .
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 60 mg/mL (102.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7078 mL	8.539 mL	17.078 mL
5 mM	0.3416 mL	1.7078 mL	3.4156 mL
10 mM	0.1708 mL	0.8539 mL	1.7078 mL
50 mM	0.0342 mL	0.1708 mL	0.3416 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Baldoni D, et al. Cadazolid, a novel antibiotic with potent activity against *Clostridium difficile*: safety, tolerability and pharmacokinetics in healthy subjects following single and multiple oral doses. *J Antimicrob Chemother.* 2014 Mar;69(3):706-14.

Chilton CH, et al. In vitro activity of cadazolid against clinically relevant *Clostridium difficile* isolates and in an in vitro gut model of *C. difficile* infection. *J Antimicrob Chemother.* 2014 Mar;69(3):697-705.

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