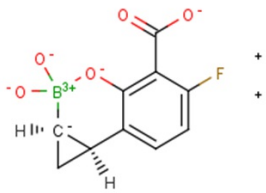
Data Sheet (Cat.No.T12603)

TargetMol
A DRUG SCREENING EXPERT

QPX7728-OH disodium

Chemical Properties



CAS No.:	2170848-99-2
Formula:	C10H6BFNa2O5
Molecular Weight:	281.94
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	QPX7728-OH disodium is an inhibitor of boronic acid β-lactamase.
Targets(IC_{50})	Others: None
In vitro	QPX7728-OH disodium potentiates Biapenem against strains expressing class A (KPC) or class D (OXA-48) carbapenemases, with MICs≤5 μg/mL.QPX7728-OH disodium potentiates Aztreonam and Tigemonam against strains expressing class A and class C enzymes, with MICs≤5 μg/mL.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.547 mL	17.734 mL	35.469 mL
5 mM	0.709 mL	3.547 mL	7.094 mL
10 mM	0.355 mL	1.773 mL	3.547 mL
50 mM	0.071 mL	0.355 mL	0.709 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Scott Hecker, et al. Boronic acid derivatives and therapeutic uses thereof. WO2018005662A1.

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