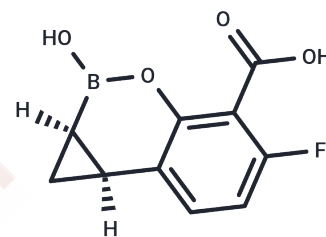


Xeruborbactam

Chemical Properties

CAS No. :	2170834-63-4
Formula:	C ₁₀ H ₈ BF ₀ 4
Molecular Weight:	221.98
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	QPX7728 is an of ultra-broad-spectrum boronic acid beta-lactamase.
Targets(IC50)	Others,Antibacterial
In vitro	QPX7728 is a potent Class D carbapenemases inhibitor from <i>A. baumannii</i> . QPX7728 is minimally affected by the activity of major MDR efflux pumps from <i>P. aeruginosa</i> , representing a significant improvement over the earlier generation boronate beta-lactamase inhibitor (BLI) vaborbactam.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5049 mL	22.5246 mL	45.0491 mL
5 mM	0.901 mL	4.5049 mL	9.0098 mL
10 mM	0.4505 mL	2.2525 mL	4.5049 mL
50 mM	0.0901 mL	0.4505 mL	0.901 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lomovskaya O, et al, The Impact of Intrinsic Resistance Mechanisms on Potency of QPX7728, a New Ultra-Broad-Spectrum Beta-lactamase Inhibitor of Serine and Metallo Beta-Lactamases in Enterobacteriaceae, *Pseudomonas aeruginosa*, and *Acinetobacter baumannii*. Antimicrob Agents Chemother. 2020 Mar 30. pii: AAC.00552-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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