

## (rac)-Xeruborbactam ammonium

### Chemical Properties

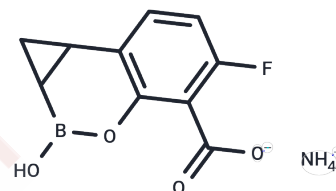
CAS No. :

Formula: C<sub>10</sub>H<sub>11</sub>BFNO<sub>4</sub>

Molecular Weight: 239.01

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	(rac)-Xeruborbactam ammonium is a beta-lactamase inhibitor and can be used in the study of bacterial infections.
Targets(IC50)	Antibacterial
In vitro	(rac)-Xeruborbactam (QPX7728) ammonium (4 µg/ml) completely reversed KPC-mediated meropenem resistance in strains with porin mutations, and these mutations had less impact on the efficacy of (rac)-Xeruborbactam (QPX7728) ammonium compared to other drugs; (rac)-Xeruborbactam(QPX7728) ammonium can be used as a potent inhibitor with a variety of β-lactam antibiotics. [1]

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1839 mL	20.9196 mL	41.8393 mL
5 mM	0.8368 mL	4.1839 mL	8.3679 mL
10 mM	0.4184 mL	2.092 mL	4.1839 mL
50 mM	0.0837 mL	0.4184 mL	0.8368 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. Impact of Intrinsic Resistance Mechanisms on Potency of QPX7728, a New Ultrabroad-Spectrum Beta-Lactamase Inhibitor of Serine and Metallo-Beta-Lactamases in Enterobacteriaceae, Pseudomonas aeruginosa, and Acinetobacter baumannii. Antimicrob Agents Chemother. 2020 May 21;64(6):e00552-20.

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