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**Product Data Sheet**

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Product Name: QPX7728-OH disodium

Cat. No.: GC62237

**Chemical Properties**

Cas. No. 2170848-99-2

Formula  $C_{10}H_6BFNa_2O_5$ 

M.Wt 281.94

Solubility DMSO : 100 mg/mL (352.16 mM; Need ultrasonic); H<sub>2</sub>O :  
76.67 mg/mL (270.00 mM; Need ultrasonic)Store  
Storage at -  
20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

QPX7728-OH disodium (compound 13) is a boronic acid  $\beta$ -lactamase inhibitor, exacted from WO2018005662A1, compound 13. QPX7728-OH disodium inhibits cleavage of Nitrocefin by purified class A, C and D enzymes, with  $K_{is}$  less than 0.1  $\mu\mu$ [1].

QPX7728-OH disodium potentiates Aztreonam and Tigemonam against strains expressing class A and class C enzymes, with MICs  $\leq$  5  $\mu\text{g/mL}$ . QPX7728-OH disodium potentiates Biapenem against strains expressing class A (KPC) or class D (OXA-48) carbapenemases, with MICs  $\leq$  5  $\mu\text{g/mL}$ [1].

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

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

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