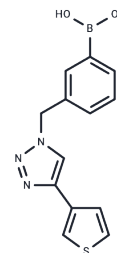


KPC-2-IN-1

Chemical Properties

CAS No. : 2232877-85-7
 Formula: C₁₃H₁₂BN₃O₂S
 Molecular Weight: 285.13
 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	KPC-2-IN-1, a boronic acid derivative, serves as an effective KPC-2 inhibitor with a K _i of 0.032 μM, augmenting cefotaxime's efficacy against KPC-2 expressing E. coli. It demonstrates good tolerance in human HEK-293 cells, rendering it valuable for researching E. coli's resistance to β-lactam antibiotics [1] [2].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5072 mL	17.5359 mL	35.0717 mL
5 mM	0.7014 mL	3.5072 mL	7.0143 mL
10 mM	0.3507 mL	1.7536 mL	3.5072 mL
50 mM	0.0701 mL	0.3507 mL	0.7014 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481