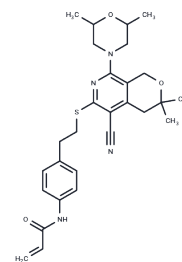


MBX3135

Chemical Properties

CAS No. : 1636878-36-8
 Formula: C₂₈H₃₄N₄O₃S
 Molecular Weight: 506.66
 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	MBX3135, an efflux pump inhibitor, can enhance the efficacy of antibiotics by targeting the AcrB in bacteria. MBX3135 is applicable to research on infections and antibiotics [1].
Targets(IC50)	Antibacterial
In vitro	MBX3135 (0.024-0.39 μM, 4 h) enhances the bactericidal activity of the minimum bactericidal concentration of ciprofloxacin (0.01 μg/mL) against E. coli [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9737 mL	9.8686 mL	19.7371 mL
5 mM	0.3947 mL	1.9737 mL	3.9474 mL
10 mM	0.1974 mL	0.9869 mL	1.9737 mL
50 mM	0.0395 mL	0.1974 mL	0.3947 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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