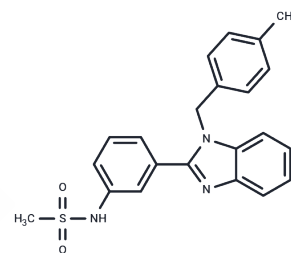


Antimicrobial agent-1

Chemical Properties

CAS No. : 2579696-45-8
 Formula: C₂₂H₂₁N₃O₂S
 Molecular Weight: 391.49
 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	Antimicrobial Agent-1 (compound 6C) shows strong activity (MIC = 2 µg/mL) against TolC mutant E. coli. Additionally, it synergistically interacts with Colistin to exhibit enhanced activity against Gram-negative bacteria. Importantly, Antimicrobial Agent-1 exhibits no cytotoxic effects on mammalian cell lines. Its MIC values on Caco-2 and Vero cell lines are greater than 128 µg/mL [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5543 mL	12.7717 mL	25.5434 mL
5 mM	0.5109 mL	2.5543 mL	5.1087 mL
10 mM	0.2554 mL	1.2772 mL	2.5543 mL
50 mM	0.0511 mL	0.2554 mL	0.5109 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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