

Antibacterial agent 311

Chemical Properties

CAS No. :	2349248-62-8
Formula:	C ₁₉ H ₁₄ N ₄ O
Molecular Weight:	314.35
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Antibacterial agent 311 (Compound 4f) is an antibacterial agent that exhibits activity against <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , <i>Klebsiella pneumoniae</i> , <i>E. CTXM1</i> , and <i>E. NDM1</i> , with minimum inhibitory concentrations (MIC) of 0.8, 1, 1, 1, 0.7, and 0.7 mg/mL, respectively.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1812 mL	15.9058 mL	31.8117 mL
5 mM	0.6362 mL	3.1812 mL	6.3623 mL
10 mM	0.3181 mL	1.5906 mL	3.1812 mL
50 mM	0.0636 mL	0.3181 mL	0.6362 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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