

BWC0977 formic

Chemical Properties

CAS No. : 3027162-72-4
Formula: C₂₃H₂₃FN₆O₇
Molecular Weight: 514.47
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	BWC0977 formic acts as an antibacterial agent by inhibiting DNA gyrase and topoisomerase IV, thereby preventing bacterial DNA replication. It exhibits a minimum inhibitory concentration (MIC ₉₀) ranging from 0.03 to 2 µg/mL against multi-drug resistant (MDR) Gram-negative bacteria.
Targets(IC ₅₀)	DNA/RNA Synthesis,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9437 mL	9.7187 mL	19.4375 mL
5 mM	0.3887 mL	1.9437 mL	3.8875 mL
10 mM	0.1944 mL	0.9719 mL	1.9437 mL
50 mM	0.0389 mL	0.1944 mL	0.3887 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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