

BWC0977

Chemical Properties

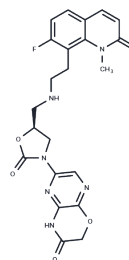
CAS No. : 2254567-00-3

Formula: C₂₂H₂₁FN₆O₅

Molecular Weight: 468.44

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 is an effective topoisomerase inhibitor that disrupts bacterial DNA replication by targeting both DNA gyrase and topoisomerase IV. The minimum inhibitory concentration (MIC ₉₀) of BWC0977 against MDR (multi-drug resistant) Gram-negative bacteria ranges from 0.03 to 2 µg/mL.
Targets(IC ₅₀)	Antibacterial,DNA/RNA Synthesis,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1347 mL	10.6737 mL	21.3475 mL
5 mM	0.4269 mL	2.1347 mL	4.2695 mL
10 mM	0.2135 mL	1.0674 mL	2.1347 mL
50 mM	0.0427 mL	0.2135 mL	0.4269 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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