

Topoisomerase IV inhibitor 1

Chemical Properties

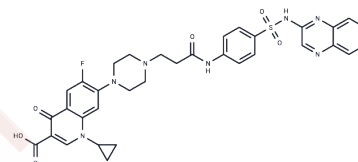
CAS No. : 2883403-42-5

Formula: C34H32FN7O6S

Molecular Weight: 685.72

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	Topoisomerase IV inhibitor 2 (compound 7d) is a potent inhibitor of DNA topoisomerase IV (TOPO IV), exhibiting IC50 values of 0.23 μM for TOPO IV and 0.43 μM for DNA gyrase. It demonstrates antibacterial efficacy, with minimum inhibitory concentrations (MICs) of 0.972 μM against Staphylococcus aureus Newman and 0.608 μM against Escherichia coli ATCC8739 [1].
Targets(IC50)	Antibacterial,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4583 mL	7.2916 mL	14.5832 mL
5 mM	0.2917 mL	1.4583 mL	2.9166 mL
10 mM	0.1458 mL	0.7292 mL	1.4583 mL
50 mM	0.0292 mL	0.1458 mL	0.2917 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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