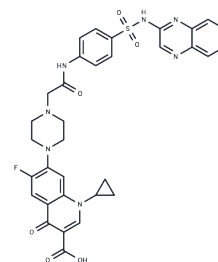


Topoisomerase IV inhibitor 2

Chemical Properties

CAS No. :	2883403-36-7
Formula:	C33H30FN7O6S
Molecular Weight:	671.7
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 5d) is an effective Topo IV inhibitor with IC50 values of 0.35 μ M and 0.55 μ M for Topo IV and DNA cyclase, respectively, and has antibacterial activity.
Targets(IC50)	Antibacterial, Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4888 mL	7.4438 mL	14.8876 mL
5 mM	0.2978 mL	1.4888 mL	2.9775 mL
10 mM	0.1489 mL	0.7444 mL	1.4888 mL
50 mM	0.0298 mL	0.1489 mL	0.2978 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.

Reference

Ibrahim NM, et al. Design and synthesis of ciprofloxacin-sulfonamide hybrids to manipulate ciprofloxacin pharmacological qualities: Potency and side effects. Eur J Med Chem. 2022;228:114021.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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