

Antimicrobial agent-36

Chemical Properties

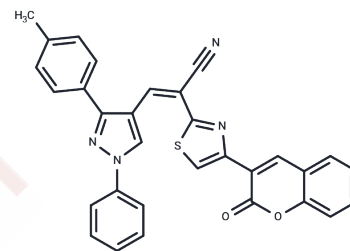
CAS No. :

Formula: C₃₁H₂₀N₄O₂S

Molecular Weight: 512.581

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	Antimicrobial agent-36 (Compound 8b) is an antimicrobial compound that significantly inhibits DNA gyrase with an IC ₅₀ value of 4.56 μM. It is also utilized in the preparation of nanoparticle drug formulations and can be employed in the research and development of new antibiotics.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9509 mL	9.7546 mL	19.5091 mL
5 mM	0.3902 mL	1.9509 mL	3.9018 mL
10 mM	0.1951 mL	0.9755 mL	1.9509 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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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