

DNA Gyrase-IN-15

Chemical Properties

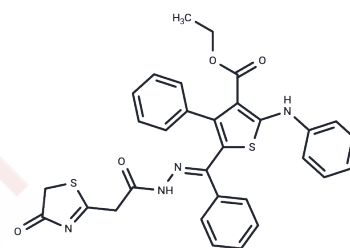
CAS No. :

Formula: C₃₁H₂₆N₄O₄S₂

Molecular Weight: 582.693

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	DNA Gyrase-IN-15 (Compound 11) is an antibacterial agent that inhibits both DHPS and DNA gyrase, with IC ₅₀ values of 1.73 and 0.07 μM, respectively. It shows antimicrobial activity against <i>Enterococcus faecium</i> (MIC of 15.62 μg/mL), <i>Acinetobacter baumannii</i> , <i>Enterobacter</i> (MIC of 7.81 μg/mL), <i>Pseudomonas aeruginosa</i> , <i>Klebsiella pneumoniae</i> , and <i>Staphylococcus aureus</i> . Additionally, DNA Gyrase-IN-15 exhibits antibiofilm activity against <i>Enterococcus faecium</i> .
Targets(IC ₅₀)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7162 mL	8.5809 mL	17.1618 mL
5 mM	0.3432 mL	1.7162 mL	3.4324 mL
10 mM	0.1716 mL	0.8581 mL	1.7162 mL
50 mM	0.0343 mL	0.1716 mL	0.3432 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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