

Anti-MRSA agent 7

Chemical Properties

CAS No. :

Formula: C₂₂H₂₀BrF₂N₃O₄

Molecular Weight: 508.31

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	Anti-MRSA agent 7 (Compound 12) is a potent antibacterial compound that effectively inhibits <i>S. aureus</i> and <i>E. coli</i> DNA gyrases, as well as topo IV enzymes from the same organisms, with IC ₅₀ values of 0.185 μM, 0.365 μM, 0.341 μM, and 0.059 μM, respectively [1].
Targets(IC ₅₀)	Others,Antibacterial,DNA/RNA Synthesis,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9673 mL	9.8365 mL	19.673 mL
5 mM	0.3935 mL	1.9673 mL	3.9346 mL
10 mM	0.1967 mL	0.9837 mL	1.9673 mL
50 mM	0.0393 mL	0.1967 mL	0.3935 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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