

Antibacterial agent 119

Chemical Properties

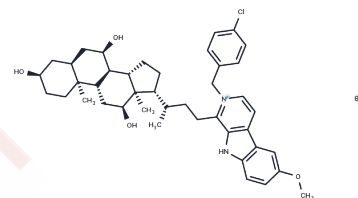
CAS No. :

Formula: C₄₂H₅₄BrClN₂O₄

Molecular Weight: 766.246

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	Antibacterial agent 119 (Compound 21 g) is a potential antibacterial agent effective against methicillin-resistant <i>Staphylococcus aureus</i> , with a minimum inhibitory concentration (MIC) of less than 1 µg/mL against tested strains. It induces reactive oxygen species (ROS) generation and disrupts bacterial cell membranes, causing their rupture. Antibacterial agent 119 exhibits strong antimicrobial activity, low cytotoxicity, rapid bactericidal action, and favorable in vivo antibacterial efficacy.
Targets(IC50)	Reactive Oxygen Species, Antibacterial, ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3051 mL	6.5253 mL	13.0506 mL
5 mM	0.261 mL	1.3051 mL	2.6101 mL
10 mM	0.1305 mL	0.6525 mL	1.3051 mL
50 mM	0.0261 mL	0.1305 mL	0.261 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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