

BO-1

Chemical Properties

CAS No. :

Formula: C₂₁H₁₉ClO₆

Molecular Weight: 402.82

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	BO-1, a benzoate ester, exhibits antibacterial properties, effectively inhibiting multidrug-resistant Staphylococcus aureus. It synergizes with antibiotics like Ciprofloxacin, reversing resistance in antibiotic-resistant S. aureus strains. Additionally, BO-1 reduces the levels of inflammatory factors IL-6 and C-reactive protein in vivo in mice [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4825 mL	12.4125 mL	24.825 mL
5 mM	0.4965 mL	2.4825 mL	4.965 mL
10 mM	0.2482 mL	1.2412 mL	2.4825 mL
50 mM	0.0496 mL	0.2482 mL	0.4965 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.

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