

Antibacterial agent 91

Chemical Properties

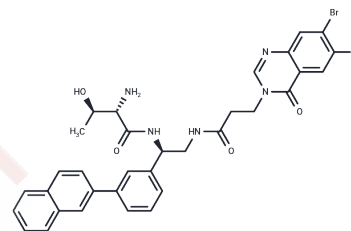
CAS No. :

Formula: C₃₃H₃₁BrClN₅O₄

Molecular Weight: 676.99

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 91, a triple-site aminoacyl-tRNA synthetase (aaRS) inhibitor, demonstrates efficacy with an IC ₅₀ of 2.10 μM against Salmonella enterica threonyl-tRNA synthetase (Se ThrRS), thereby exhibiting antibacterial activities.
Targets(IC ₅₀)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4771 mL	7.3856 mL	14.7713 mL
5 mM	0.2954 mL	1.4771 mL	2.9543 mL
10 mM	0.1477 mL	0.7386 mL	1.4771 mL
50 mM	0.0295 mL	0.1477 mL	0.2954 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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