

## Antibacterial agent 145

## Chemical Properties

CAS No. :

Formula: C<sub>30</sub>H<sub>33</sub>N<sub>07</sub>

Molecular Weight: 519.59

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	Compound 1b, also known as Antibacterial agent 145, targets the bacterial iron uptake pathway to exert its effects. It compromises the integrity of the bacterial cytoplasmic membrane and inhibits cellular metabolism while demonstrating minimal cytotoxicity to normal cells [1].
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9246 mL	9.623 mL	19.2459 mL
5 mM	0.3849 mL	1.9246 mL	3.8492 mL
10 mM	0.1925 mL	0.9623 mL	1.9246 mL
50 mM	0.0385 mL	0.1925 mL	0.3849 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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