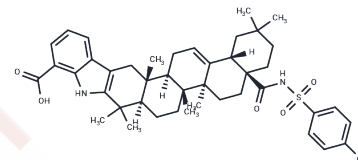


Anti-MRSA agent 14

Chemical Properties

CAS No. : 3050586-22-3
 Formula: C43H53ClN2O5S
 Molecular Weight: 745.41
 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 14 (Compound C17) exhibits antibacterial activity against MRSA and in a MRSA-infected mouse skin model. It demonstrates greater potential against MRSA compared to Norfloxacin. Anti-MRSA agent 14 disrupts cell membranes and inhibits metabolism. Its antibacterial MIC values against <i>S. aureus</i> ATCC 6538, <i>S. aureus</i> ATCC 29213, <i>S. epidermidis</i> ATCC 12228, and MRSA are 1, 2, 2, and 1 μ M, respectively.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3415 mL	6.7077 mL	13.4154 mL
5 mM	0.2683 mL	1.3415 mL	2.6831 mL
10 mM	0.1342 mL	0.6708 mL	1.3415 mL
50 mM	0.0268 mL	0.1342 mL	0.2683 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481