

LA-Bac8c

Chemical Properties

CAS No. :

Formula: C₆₅H₁₀₂N₂₀O₉S₂

Molecular Weight: 1371.76

Keep away from moisture

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	LA-Bac8c, a lipoic acid-modified antimicrobial peptide, exhibits improved antimicrobial efficacy. It effectively inhibits <i>S. aureus</i> , MRSA, <i>S. epidermidis</i> , <i>E. coli</i> , and <i>P. aeruginosa</i> , demonstrating minimum inhibitory concentrations (MICs) of 1, 4, 8, 8, and 8 µg/mL, respectively [1].
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.729 mL	3.645 mL	7.2899 mL
5 mM	0.1458 mL	0.729 mL	1.458 mL
10 mM	0.0729 mL	0.3645 mL	0.729 mL
50 mM	0.0146 mL	0.0729 mL	0.1458 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