

SpHistin

Chemical Properties

CAS No. :

Formula: C170H293N61O45S

Molecular Weight: 3943.59

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	SpHistin, an antimicrobial peptide (AMP), binds to lipopolysaccharide (LPS) and permeabilizes the bacterial membrane. In combination with Rifampicin and Azithromycin, it facilitates increased intracellular uptake of these antibiotics, thereby enhancing their collective bactericidal efficacy against <i>Pseudomonas aeruginosa</i> [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2536 mL	1.2679 mL	2.5358 mL
5 mM	0.0507 mL	0.2536 mL	0.5072 mL
10 mM	0.0254 mL	0.1268 mL	0.2536 mL
50 mM	0.0051 mL	0.0254 mL	0.0507 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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