

Api137

Chemical Properties

CAS No. :

Formula: C104H171N37O22

Molecular Weight: 2291.71

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	Api137 is an antimicrobial peptide that disrupts bacterial growth by blocking translation processes, specifically inhibiting protein synthesis by entrapping release factors on the 70S ribosome after hydrolysis of the nascent polypeptide chain [1][2].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4364 mL	2.1818 mL	4.3636 mL
5 mM	0.0873 mL	0.4364 mL	0.8727 mL
10 mM	0.0436 mL	0.2182 mL	0.4364 mL
50 mM	0.0087 mL	0.0436 mL	0.0873 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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