

LL-37, Human acetate(154947-66-7 free base)

Chemical Properties

CAS No. :

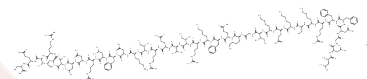
Formula: C207H344N60O55

Molecular Weight: 4553.31

Keep away from moisture,Store at low temperature

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	LL-37, Human acetate is a 37-residue, amphipathic, cathelicidin-derived antimicrobial peptide, which exhibits a broad spectrum of antimicrobial activity.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: Insoluble, H2O: 25.8 mg/mL (5.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2196 mL	1.0981 mL	2.1962 mL
5 mM	0.0439 mL	0.2196 mL	0.4392 mL
10 mM	0.022 mL	0.1098 mL	0.2196 mL
50 mM	0.0044 mL	0.022 mL	0.0439 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.

Reference

Dürr UH, et al. LL-37, the only human member of the cathelicidin family of antimicrobial peptides. Biochim Biophys Acta. 2006 Sep;1758(9):1408-25.

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