

LL-37 (18-37) (human) TFA

Chemical Properties

CAS No. :

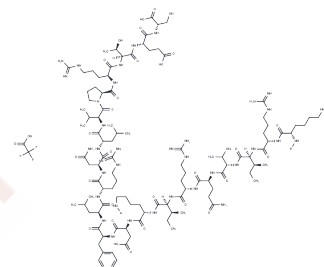
Formula: C109H190N36O29.XCF3COOH

Molecular Weight: 2468.90

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

LL-37 (18-37), an antimicrobial peptide fragment of LL-37, exhibits activity against *S. aureus* and *C. albicans*, with minimum lethal concentrations of 4 μM and 10 μM , respectively. Additionally, it inhibits *E. histolytica* trophozoites growth at concentrations between 10 to 50 μM .

Solubility Information

Solubility

PBS pH 7.2: 10 mg/mL (4.05 mM), Sonication is recommended.
DMF: 10 mg/mL (4.05 mM), Sonication is recommended.
Ethanol: 1 mg/mL (0.41 mM), Sonication is recommended.
DMSO: 20 mg/mL (8.1 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.405 mL	2.0252 mL	4.0504 mL
5 mM	0.081 mL	0.405 mL	0.8101 mL
10 mM	0.0405 mL	0.2025 mL	0.405 mL
50 mM	0.0081 mL	0.0405 mL	0.081 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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