

Citrullinated LL-37 2cit

Chemical Properties

CAS No. :

Formula: C205H338N58O55

Molecular Weight: 4495.23

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 | Citrullinated LL-37 2cit, a modified version of the LL-37 peptide, attenuates the antiviral efficacy of LL-37 against Human Rhinovirus (HRV) at a concentration of 10 µg/mL and diminishes its antibacterial properties. Furthermore, the compound diminishes RV1B-induced mRNA expression of pro-inflammatory cytokines IL-8, CCL5, and IL-6, and demonstrates a moderate decline in suppressing HRV-stimulated CCL5 secretion [1]. |
| Targets(IC50) | Interleukin, Virus Protease |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.2225 mL | 1.1123 mL | 2.2246 mL |
| 5 mM | 0.0445 mL | 0.2225 mL | 0.4449 mL |
| 10 mM | 0.0222 mL | 0.1112 mL | 0.2225 mL |
| 50 mM | 0.0044 mL | 0.0222 mL | 0.0445 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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