

C12-rrw-NH2

## Chemical Properties

CAS No. :

Formula: C35H58N10O5

Molecular Weight: 698.9

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   | C12-rrw-NH2 (Compound Lip7) is an antimicrobial agent effective against Gram-positive bacteria, particularly demonstrating significant activity against Methicillin-resistant Staphylococcus aureus (MRSA). It induces bacterial cell death by depolarizing the bacterial cell membrane, disrupting membrane integrity, causing nucleic acid and protein leakage, and promoting the generation of Reactive Oxygen Species (ROS). C12-rrw-NH2 is applicable in research focused on developing highly stable antimicrobial peptides. |
| Targets(IC50) | Reactive Oxygen Species,Antibacterial,ROS  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4308 mL | 7.1541 mL | 14.3082 mL |
| 5 mM  | 0.2862 mL | 1.4308 mL | 2.8616 mL  |
| 10 mM | 0.1431 mL | 0.7154 mL | 1.4308 mL  |
| 50 mM | 0.0286 mL | 0.1431 mL | 0.2862 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.

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