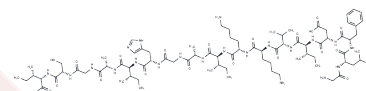


Aurein 3.1

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 302343-11-9 |
| Formula: | C81H136N22O20 |
| Molecular Weight: | 1738.08 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | Aurein 3.1 is an antibiotic antimicrobial peptide, while Aurein 2.6 is active against Gram-positive bacteria, showing minimum inhibitory concentrations (MIC) of 80 μ M for <i>M. luteus</i> and 50 μ M for <i>S. aureus</i> , <i>S. epidermis</i> , <i>S. mutans</i> , and <i>B. subtilis</i> [1] [2]. |
| Targets(IC50) | Antibacterial, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.5753 mL | 2.8767 mL | 5.7535 mL |
| 5 mM | 0.1151 mL | 0.5753 mL | 1.1507 mL |
| 10 mM | 0.0575 mL | 0.2877 mL | 0.5753 mL |
| 50 mM | 0.0115 mL | 0.0575 mL | 0.1151 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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