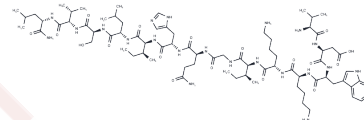


Polistes mastoparan

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 74129-19-4 |
| Formula: | C77H127N21O18 |
| Molecular Weight: | 1634.96 |
| 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 | Polistes mastoparan, an antimicrobial peptide, enhances K ⁺ efflux in <i>S. aureus</i> cells and reduces cell viability, exhibiting an EC ₅₀ of 5 μM [1]. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6116 mL | 3.0582 mL | 6.1164 mL |
| 5 mM | 0.1223 mL | 0.6116 mL | 1.2233 mL |
| 10 mM | 0.0612 mL | 0.3058 mL | 0.6116 mL |
| 50 mM | 0.0122 mL | 0.0612 mL | 0.1223 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481