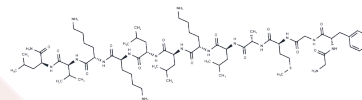


Macropin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1382853-39-5 |
| Formula: | C ₆₈ H ₁₂₁ N ₁₇ O ₁₃ S |
| Molecular Weight: | 1416.86 |
| 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 | Macropin (MAC-1 peptide) is an antimicrobial peptide found in the venom of the solitary bee <i>Macropis fulvipes</i> . It exhibits antibacterial properties against both Gram-positive and Gram-negative bacteria, demonstrates inhibitory effects on fungi, and possesses moderate hemolytic activity on human red blood cells. Macropin is utilized in research for anti-infective therapies. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.7058 mL | 3.5289 mL | 7.0579 mL |
| 5 mM | 0.1412 mL | 0.7058 mL | 1.4116 mL |
| 10 mM | 0.0706 mL | 0.3529 mL | 0.7058 mL |
| 50 mM | 0.0141 mL | 0.0706 mL | 0.1412 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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