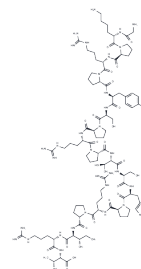


## Drosocin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 149924-99-2   |
| Formula:          | C98H160N34O24   |
| Molecular Weight: | 2198.53   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | Drosocin, a 19-mer cationic antimicrobial peptide from <i>Drosophila melanogaster</i> , displays biological activity. Native drosocin features a disaccharide moiety linked to a mid-chain threonine residue, whereas the synthetic variant, which maintains the identical amino acid sequence but lacks the disaccharide, exhibits significantly reduced activity compared to the natural form. |
| Targets(IC50) | Antibacterial  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.4548 mL | 2.2742 mL | 4.5485 mL |
| 5 mM  | 0.091 mL  | 0.4548 mL | 0.9097 mL |
| 10 mM | 0.0455 mL | 0.2274 mL | 0.4548 mL |
| 50 mM | 0.0091 mL | 0.0455 mL | 0.091 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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