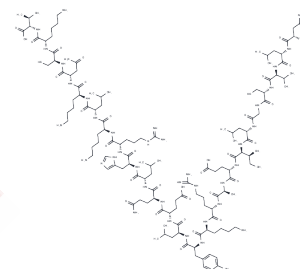


Distinctin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 857394-09-3 |
| Formula: | C131H226N40O35S |
| Molecular Weight: | 2953.51 |
| 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 | Distinctin, an antimicrobial peptide derived from frog skin, exhibits antibacterial activity against a range of pathogens including <i>E. faecalis</i> , <i>P. aeruginosa</i> , <i>S. aureus</i> , and <i>E. coli</i> , with minimum inhibitory concentration (MIC) values of 14.5, 28.0, 28.0, and 14.5 μ M, respectively [1]. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.3386 mL | 1.6929 mL | 3.3858 mL |
| 5 mM | 0.0677 mL | 0.3386 mL | 0.6772 mL |
| 10 mM | 0.0339 mL | 0.1693 mL | 0.3386 mL |
| 50 mM | 0.0068 mL | 0.0339 mL | 0.0677 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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481