

pBD-1 TFA (206367-33-1 free base)

Chemical Properties

CAS No. :

Formula: C312H544F3N91O75S11

Molecular Weight: 7180

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

| | |
|---------------|---|
| Description | pBD-1 TFA is an endogenous and constitutively expressed antimicrobial peptide (AMP) from porcine tissues, has antimicrobial activities and contributes to mucosal and systemic host defenses in pigs. |
| Targets(IC50) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.1393 mL | 0.6964 mL | 1.3928 mL |
| 5 mM | 0.0279 mL | 0.1393 mL | 0.2786 mL |
| 10 mM | 0.0139 mL | 0.0696 mL | 0.1393 mL |
| 50 mM | 0.0028 mL | 0.0139 mL | 0.0279 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.

Reference

Zhang G, et al. Molecular cloning and tissue expression of porcine beta-defensin-1. FEBS Lett. 1998 Mar 6;424(1-2): 37-40.

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