

BmK-M1

Chemical Properties

CAS No. :

Formula: C313H467N91O91S8

Molecular Weight: 7217.13

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 | BmK-M1, a scorpion-derived toxin, consists of a 64-amino acid polypeptide stabilized by four disulfide bridges. This compound functions as an inhibitor of the Na ⁺ channel, classifying it as both a cardiotoxin and a neurotoxin [1]. |
| Targets(IC50) | Sodium Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.1386 mL | 0.6928 mL | 1.3856 mL |
| 5 mM | 0.0277 mL | 0.1386 mL | 0.2771 mL |
| 10 mM | 0.0139 mL | 0.0693 mL | 0.1386 mL |
| 50 mM | 0.0028 mL | 0.0139 mL | 0.0277 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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