

Huwentoxin I

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 769973-37-7 |
| Formula: | C161H246N48O44S6 |
| Molecular Weight: | 3750.36 |
| 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

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|---------------|---|
| Description | Huwentoxin I (HWTX-I) is a peptide toxin that inhibits voltage-gated sodium channels and N-type calcium channels. It effectively blocks sodium channels in rat hippocampus and cockroach dorsal unpaired median (DUM) neurons, with IC50 values of 66.1 nM and 4.80 nM, respectively [1]. |
| Targets(IC50) | Calcium Channel,Sodium Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.2666 mL | 1.3332 mL | 2.6664 mL |
| 5 mM | 0.0533 mL | 0.2666 mL | 0.5333 mL |
| 10 mM | 0.0267 mL | 0.1333 mL | 0.2666 mL |
| 50 mM | 0.0053 mL | 0.0267 mL | 0.0533 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.

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