

Huwentoxin XVI TFA

Chemical Properties

CAS No. :

Formula: C198H293F3N50O58S6

Molecular Weight: 4551.15

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 | Huwentoxin XVI TFA, a potent analgesic derived from the Chinese tarantula <i>Ornithoctonus huwena</i> , acts as a highly reversible and selective antagonist of mammalian N-type calcium channels (IC 50 of ~60 nM), with no impact on voltage-gated T-type calcium channels, potassium channels, or sodium channels [1]. |
| Targets(IC50) | Calcium Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.2197 mL | 1.0986 mL | 2.1972 mL |
| 5 mM | 0.0439 mL | 0.2197 mL | 0.4394 mL |
| 10 mM | 0.022 mL | 0.1099 mL | 0.2197 mL |
| 50 mM | 0.0044 mL | 0.022 mL | 0.0439 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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