

α -Conotoxin Bt1.8

Chemical Properties

CAS No. :

Formula: C63H100N22O22S4

Molecular Weight: 1645.86

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 | α -Conotoxin Bt1.8 is a potent inhibitor of both rat $\alpha 6/\alpha 3\beta 2\beta 3$ and $\alpha 3\beta 2$ neuronal nicotinic acetylcholine receptors (nAChRs), exhibiting half-maximal inhibitory concentrations (IC50s) of 2.1 nM and 9.4 nM, respectively [1]. |
| Targets(IC50) | AChR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6076 mL | 3.0379 mL | 6.0759 mL |
| 5 mM | 0.1215 mL | 0.6076 mL | 1.2152 mL |
| 10 mM | 0.0608 mL | 0.3038 mL | 0.6076 mL |
| 50 mM | 0.0122 mL | 0.0608 mL | 0.1215 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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