

α -Conotoxin EIIB

Chemical Properties

CAS No. :

Formula: C71H103N25O20S4

Molecular Weight: 1754.99

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	Alpha-Conotoxin EIIB is a peptide toxin derived from <i>Conus ermineus</i> that selectively binds to neuronal nicotinic acetylcholine receptors (nAChR) with a dissociation constant (K _i) of 2.2 nM. This compound is utilized in neurological research, including the study of schizophrenia, drug addiction, Alzheimer's disease, and Parkinson's disease [1].
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5698 mL	2.849 mL	5.698 mL
5 mM	0.114 mL	0.5698 mL	1.1396 mL
10 mM	0.057 mL	0.2849 mL	0.5698 mL
50 mM	0.0114 mL	0.057 mL	0.114 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481