

α C-Conotoxin PrXA

Chemical Properties

CAS No. :

Formula: C160H247N43O44S2

Molecular Weight: 3541.06

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 C-Conotoxin PrXA is a neurotoxic paralytic peptide acting as a competitive antagonist of the nicotinic acetylcholine receptor (nAChR), exhibiting inhibitory constants (IC50) of 1.8 nM for the adult α 1 β 1 ϵ δ subtype and 3.0 nM for the fetal α 1 β 1 γ δ subtype. The compound vies with α -bungarotoxin for binding sites at the α / δ and α / γ interfaces of neuromuscular nAChRs, demonstrating high selectivity[1].
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2824 mL	1.412 mL	2.824 mL
5 mM	0.0565 mL	0.2824 mL	0.5648 mL
10 mM	0.0282 mL	0.1412 mL	0.2824 mL
50 mM	0.0056 mL	0.0282 mL	0.0565 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481