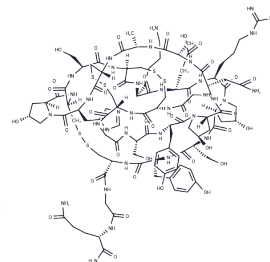


$\alpha$ A-Conotoxin PIVA

## Chemical Properties

CAS No. :	171439-59-1
Formula:	C103H150N34O37S6
Molecular Weight:	2648.89
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

Description	$\alpha$ A-Conotoxin PIVA serves as a selective inhibitor of mouse muscle nicotinic acetylcholine receptors (nAChRs), demonstrating half-maximal inhibitory concentrations (IC <sub>50</sub> ) of 2.3 nM for adult and 22 nM for fetal mouse muscle nAChRs. The compound is utilized in research related to neurological diseases.
Targets(IC <sub>50</sub> )	AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3775 mL	1.8876 mL	3.7752 mL
5 mM	0.0755 mL	0.3775 mL	0.755 mL
10 mM	0.0378 mL	0.1888 mL	0.3775 mL
50 mM	0.0076 mL	0.0378 mL	0.0755 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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