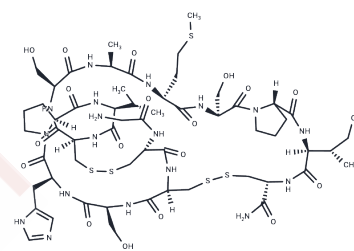


$\alpha$ -Conotoxin TxID

## Chemical Properties

CAS No. :	1496617-64-1
Formula:	C58H92N18O18S5
Molecular Weight:	1489.79
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	$\alpha$ -Conotoxin TxID is a potent antagonist of the $\alpha 3\beta 4$ nicotinic acetylcholine receptor (nAChR) with an inhibitory half-maximal inhibitory concentration (IC <sub>50</sub> ) of 12.5 nM. Its inhibitory activity is weaker against the closely related $\alpha 6/\alpha 3\beta 4$ nAChR, with an IC <sub>50</sub> of 94 nM. This compound holds potential for the development of novel smoking cessation drugs [1].
Targets(IC50)	AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6712 mL	3.3562 mL	6.7124 mL
5 mM	0.1342 mL	0.6712 mL	1.3425 mL
10 mM	0.0671 mL	0.3356 mL	0.6712 mL
50 mM	0.0134 mL	0.0671 mL	0.1342 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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