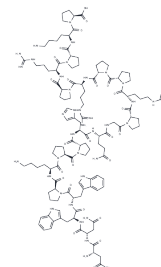


## Azemiopsin

## Chemical Properties

CAS No. :	1391936-86-9
Formula:	C118H174N38O26
Molecular Weight:	2540.88
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	Azemiopsin, a potent inhibitor of the nicotinic acetylcholine receptor (nAChR), demonstrates half maximal inhibitory concentrations (IC50s) of 0.18 $\mu$ M for <i>T. californica</i> nAChR and 22 $\mu$ M for human $\alpha$ 7 nAChR. Moreover, it effectively blocks acetylcholine-induced currents in <i>Xenopus</i> oocytes that heterologously express human muscle-type nAChR [1].
Targets(IC50)	AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3936 mL	1.9678 mL	3.9356 mL
5 mM	0.0787 mL	0.3936 mL	0.7871 mL
10 mM	0.0394 mL	0.1968 mL	0.3936 mL
50 mM	0.0079 mL	0.0394 mL	0.0787 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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