

α -Conotoxin PIA TFA

Chemical Properties

CAS No. :

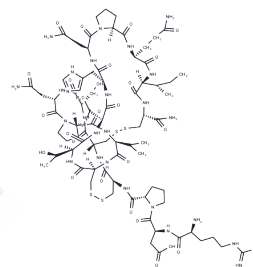
Formula: C81H126F3N27O27S4

Molecular Weight: 2095.3

Keep away from moisture

Storage: Pure form: -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 -Conotoxin PIA TFA is an nAChR (nicotinic acetylcholine receptor) antagonist that primarily targets nAChR subtypes containing $\alpha 6$ and $\alpha 3$ subunits, exhibiting significantly higher selectivity for $\alpha 6/\alpha 3\beta 2\beta 3$ nAChR than $\alpha 3\beta 2$ nAChR, and may be used for Parkinson's disease and schizophrenia.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: ≥ 200 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (0.95 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4773 mL	2.3863 mL	4.7726 mL
5 mM	0.0955 mL	0.4773 mL	0.9545 mL
10 mM	0.0477 mL	0.2386 mL	0.4773 mL
50 mM	0.0095 mL	0.0477 mL	0.0955 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

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