

α -Conotoxin GI acetate

Chemical Properties

CAS No. :

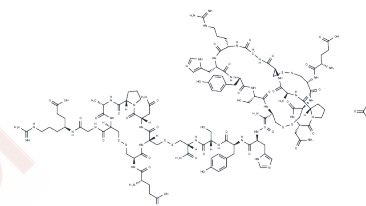
Formula: C57H84N20O20S4

Molecular Weight: 1497.66

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 -Conotoxin GI acetate is a competitive antagonist of the muscle-type nicotinic acetylcholine receptors (nAChR).
Targets(IC50)	Others,AChR

Solubility Information

Solubility	DMSO: 125 mg/mL (83.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (6.68 mM),Solution. <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	0.6677 mL	3.3385 mL	6.6771 mL
5 mM	0.1335 mL	0.6677 mL	1.3354 mL
10 mM	0.0668 mL	0.3339 mL	0.6677 mL
50 mM	0.0134 mL	0.0668 mL	0.1335 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.

Reference

D R Groebe, et al. alpha-Conotoxins selectively inhibit one of the two acetylcholine binding sites of nicotinic receptors. Mol Pharmacol. 1995 Jul;48(1):105-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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