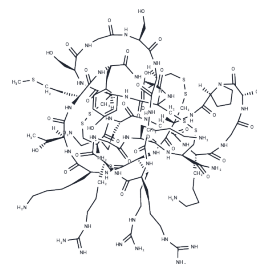


ω -Conotoxin MVIIC

Chemical Properties

CAS No. :	147794-23-8
Formula:	C106H178N40O32S7
Molecular Weight:	2749
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Peptide neurotoxin; wide spectrum blocker of N, P and Q type calcium channels.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	H2O: 1 mg/mL (0.36 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3638 mL	1.8188 mL	3.6377 mL
5 mM	0.0728 mL	0.3638 mL	0.7275 mL
10 mM	0.0364 mL	0.1819 mL	0.3638 mL
50 mM	0.0073 mL	0.0364 mL	0.0728 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

- Hillyard et al (1992) A new conus peptide ligand for mammalian presynaptic Ca²⁺ channels. Neuron 9 69 PMID:
 McDonough et al (1996) Inhibition of Ca²⁺ channels in rat central and peripheral neurons by ω -conotoxin MVIIC. J. Neurosci. 16 2612 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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