

ω -Conotoxin Bu8

Chemical Properties

CAS No. :

Formula: C103H174N42O35S6

Molecular Weight: 2753.13

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	ω -Conotoxin Bu8 is a 25-amino-acid-residue ω -conotoxin that features three disulfide bridges. It selectively and potently inhibits rat CaV2.2-mediated depolarization-activated Ba ²⁺ currents in HEK293T cells with an IC ₅₀ of 89 nM [1].
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3632 mL	1.8161 mL	3.6322 mL
5 mM	0.0726 mL	0.3632 mL	0.7264 mL
10 mM	0.0363 mL	0.1816 mL	0.3632 mL
50 mM	0.0073 mL	0.0363 mL	0.0726 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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