

ω -Agatoxin TK

Chemical Properties

CAS No. :	158484-42-5
Formula:	C215H337N65O70S10
Molecular Weight:	5273.02
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>

EDNCIAEDYKGLTWGTTKCCRRPCRCBMIGNCECTPRIMEQLSFA
(Disulfide bridge: C₉₄-C₉₅, C₉₆-C₉₇, C₉₈-C₉₉, C₁₀₀-C₁₀₁, C₁₀₂-C₁₀₃, C₁₀₄-C₁₀₅)

Biological Description

Description	Selective blocker of CaV2.1 P/Q-type calcium channels.
Targets(IC50)	Calcium Channel

Solubility Information

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

	1mg	5mg	10mg
1 mM	0.1896 mL	0.9482 mL	1.8964 mL
5 mM	0.0379 mL	0.1896 mL	0.3793 mL
10 mM	0.019 mL	0.0948 mL	0.1896 mL
50 mM	0.0038 mL	0.019 mL	0.0379 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

- Teramoto et al (1997) A novel type of calcium channel sensitive to ω -agatoxin-TK in cultured rat cerebral cortical neurons. Brain Res. 756 225 PMID:
Barral et al (2001) High-affinity inhibition of glutamate release from corticostriatal synapses by ω -agatoxin TK. Eur.J.Pharmacol. 430 167 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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