

Chlorotoxin(linear)

Chemical Properties

CAS No. :

Formula: C158H256N52O48S11

Molecular Weight: 4004.76

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	Chlorotoxin(linear) is a linear 36 amino-acid peptide used in Chlorotoxin-related research. Found in the venom of the Egyptian scorpion <i>Leiurus quinquestriatus</i> , it functions as a chloride channel blocker.
Targets(IC50)	Chloride channel

Solubility Information

Solubility	DMSO: 100 mg/mL (24.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2497 mL	1.2485 mL	2.497 mL
5 mM	0.0499 mL	0.2497 mL	0.4994 mL
10 mM	0.025 mL	0.1249 mL	0.2497 mL
50 mM	0.005 mL	0.025 mL	0.0499 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.

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