

Chlorotoxin

Chemical Properties

CAS No. : 163515-35-3

Formula: C158H249N53O47S11

Molecular Weight: 3995.71

Appearance: no data available

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

MCMPCFITTDHQMARCDDCCGGKGR
GKCYGPQCLCR-NH₂(Disulfide bridge:
Cys2-Cys19,Cys5-Cys28,,Cys16-
Cys33,Cys20-Cys35)

Biological Description

Description	Chlorotoxin is a 36-amino acid peptide found in the venom of the deathstalker scorpion (Leiurus quinquestriatus) which blocks small-conductance chloride channels.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2503 mL	1.2513 mL	2.5027 mL
5 mM	0.0501 mL	0.2503 mL	0.5005 mL
10 mM	0.025 mL	0.1251 mL	0.2503 mL
50 mM	0.005 mL	0.025 mL	0.0501 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.

Reference

DeBin JA, et al. Purification and characterization of chlorotoxin, a chloride channel ligand from the venom of the scorpion. Am J Physiol. 1993 Feb;264(2 Pt 1):C361-9.

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