

## Hemitoxin

## Chemical Properties

CAS No. :

Formula: C159H259N49O49S8

Molecular Weight: 3897.58

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	Hemitoxin, a scorpion-venom peptide, acts as a K <sup>+</sup> channel blocker, selectively inhibiting rat Kv1.1, Kv1.2, and Kv1.3 channels expressed in Xenopus oocytes, with IC50 values of 13 nM, 16 nM, and 2 nM, respectively [1].
Targets(IC50)	Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2566 mL	1.2828 mL	2.5657 mL
5 mM	0.0513 mL	0.2566 mL	0.5131 mL
10 mM	0.0257 mL	0.1283 mL	0.2566 mL
50 mM	0.0051 mL	0.0257 mL	0.0513 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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