

Phlotoxin-1

Chemical Properties

CAS No. :

Formula: C183H254N46O48S6

Molecular Weight: 4058.64

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	Phlotoxin-1 (PhlTx1), a 34-amino acid peptide featuring three disulfide bridges, is derived from the Phlogiellus genus spider and acts as an antinociceptive agent by inhibiting the NaV1.7 channel [1] [2].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2464 mL	1.2319 mL	2.4639 mL
5 mM	0.0493 mL	0.2464 mL	0.4928 mL
10 mM	0.0246 mL	0.1232 mL	0.2464 mL
50 mM	0.0049 mL	0.0246 mL	0.0493 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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