

Crotamine

Chemical Properties

CAS No. :

Formula: C214H326N64O54S7

Molecular Weight: 4883.73

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	Crotamine, a 42 amino acid toxin featuring three disulfide bridges, functions as a Na ⁺ channel modulator with analgesic properties. This compound interacts with lipid membranes and exhibits myonecrotic activity, and can be isolated from the venom of <i>Crotalus durissus terrificus</i> [1] [2].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2048 mL	1.0238 mL	2.0476 mL
5 mM	0.041 mL	0.2048 mL	0.4095 mL
10 mM	0.0205 mL	0.1024 mL	0.2048 mL
50 mM	0.0041 mL	0.0205 mL	0.041 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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