

Scorpion toxin Tf2

Chemical Properties

CAS No. :

Formula: C309H438N800O8759

Molecular Weight: 6953.86

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	Scorpion toxin Tf2, a β -scorpion toxin first identified in the venom of the Brazilian scorpion <i>Tityus fasciolatus</i> , acts as an activator of the neuronal voltage-gated sodium (Nav) subtype Nav1.3, associated with epilepsy and nociception. It increases hNav1.3 activation voltage, prompting channel opening at resting membrane potentials [1].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1438 mL	0.719 mL	1.4381 mL
5 mM	0.0288 mL	0.1438 mL	0.2876 mL
10 mM	0.0144 mL	0.0719 mL	0.1438 mL
50 mM	0.0029 mL	0.0144 mL	0.0288 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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