

Phrixotoxin 3 TFA

Chemical Properties

CAS No. :

Formula: C178H270F3N51O50S6

Molecular Weight: 4173.74

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	Phrixotoxin 3 TFA is a potent inhibitor of voltage-gated sodium channels, with IC50 values of 0.6 nM for NaV1.2, 42 nM for NaV1.3, 72 nM for NaV1.4, 288 nM for NaV1.1, and 610 nM for NaV1.5. This compound modulates the activity of these channels similarly to traditional gating-modifier toxins, inducing a depolarizing shift in gating kinetics and obstructing the inward sodium current.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2396 mL	1.198 mL	2.3959 mL
5 mM	0.0479 mL	0.2396 mL	0.4792 mL
10 mM	0.024 mL	0.1198 mL	0.2396 mL
50 mM	0.0048 mL	0.024 mL	0.0479 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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