

π -TRTX-Hm3a

Chemical Properties

CAS No. :

Formula: C186H290N56O49S6

Molecular Weight: 4287.03

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	π -TRTX-Hm3a, a 37-amino acid peptide derived from the venom of the Togo starburst tarantula (<i>Heteroscodra maculata</i>), selectively inhibits the acid-sensing ion channel 1a (ASIC1a) in a pH-dependent manner, with an inhibitory concentration half-max (IC50) of 1-2 nM, and also potentiates the activity of acid-sensing ion channel 1b (ASIC1b) with an effective concentration half-max (EC50) of 46.5 nM [1].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2333 mL	1.1663 mL	2.3326 mL
5 mM	0.0467 mL	0.2333 mL	0.4665 mL
10 mM	0.0233 mL	0.1166 mL	0.2333 mL
50 mM	0.0047 mL	0.0233 mL	0.0467 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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