

Tap1a

Chemical Properties

CAS No. :

Formula: C174H258N52O55S7

Molecular Weight: 4182.68

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	Theraphotoxin-Tap1a (Tap1a) is a spider venom-derived peptide that acts as an inhibitor of sodium channels, displaying IC50 values of 80 nM for Na v 1.7 and 301 nM for Na v 1.1. It demonstrates analgesic effects [1].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2391 mL	1.1954 mL	2.3908 mL
5 mM	0.0478 mL	0.2391 mL	0.4782 mL
10 mM	0.0239 mL	0.1195 mL	0.2391 mL
50 mM	0.0048 mL	0.0239 mL	0.0478 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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