

Tamapin

Chemical Properties

CAS No. :

Formula: C146H238N44O41S6

Molecular Weight: 3458.11

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	Tamapin, a venom peptide isolated from the Indian red scorpion (<i>Mesobuthus tamulus</i>) [1], selectively targets and blocks small-conductance Ca(2+)-activated K(+) (SK) channels, particularly SK2 (Potassium Channel). It inhibits SK channel-mediated currents in the pyramidal neurons of the hippocampus.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2892 mL	1.4459 mL	2.8918 mL
5 mM	0.0578 mL	0.2892 mL	0.5784 mL
10 mM	0.0289 mL	0.1446 mL	0.2892 mL
50 mM	0.0058 mL	0.0289 mL	0.0578 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481