

Kurtoxin

Chemical Properties

CAS No. :

Formula: C324H478N94O90S8

Molecular Weight: 7386.36

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	Kurtoxin is a selective Cav3 (T-type) voltage-gated Ca ²⁺ channel gating inhibitor with a dissociation constant (K _d) of 15 nM for the Cav3.1 (α1G T-type) Ca ²⁺ channel. It exhibits high-affinity interactions with native neuronal high-threshold L-type, N-type, and P-type Ca ²⁺ channels in both central and peripheral neurons and displays cross-reactivity with the voltage-gated Na ⁺ channel [1].
Targets(IC50)	Calcium Channel,Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1354 mL	0.6769 mL	1.3538 mL
5 mM	0.0271 mL	0.1354 mL	0.2708 mL
10 mM	0.0135 mL	0.0677 mL	0.1354 mL
50 mM	0.0027 mL	0.0135 mL	0.0271 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