

Tertiapin LQ

Chemical Properties

CAS No. :

Formula: C106H179N33O24S4

Molecular Weight: 2428.03

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	Blocker of Kir1.1 channels; displays >250-fold selectivity for Kir1.1 (Kd values are 1.1, 274 and 361 nM for Kir1.1, Kir3.1/3.2 and Kir3.1/3.4 respectively). Derivative of tertiapin-Q.
Targets(IC50)	Potassium Channel

Solubility Information

Solubility 20% acetonitrile / water: 2 mg/mL (0.82 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4119 mL	2.0593 mL	4.1186 mL
5 mM	0.0824 mL	0.4119 mL	0.8237 mL
10 mM	0.0412 mL	0.2059 mL	0.4119 mL
50 mM	0.0082 mL	0.0412 mL	0.0824 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.

Reference

Ramu et al (2008) Engineered specific and high-affinity inhibitor for a subtype of inward-rectifier K⁺ channels. Proc.Natl.Acad.Sci.USA 105 10774 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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