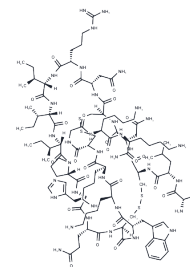


Tertiapin-Q

Chemical Properties

CAS No. :	910044-56-3
Formula:	C106H175N35O24S4
Molecular Weight:	2452
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tertiapin-Q is a bee toxin derivative that inhibits BK-type K(+) channels in a concentration-dependent manner and inhibits efflux to K(+).
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	H2O: 50 mg/mL (20.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4078 mL	2.0392 mL	4.0783 mL
5 mM	0.0816 mL	0.4078 mL	0.8157 mL
10 mM	0.0408 mL	0.2039 mL	0.4078 mL
50 mM	0.0082 mL	0.0408 mL	0.0816 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

Picton LD, et al. Mechanisms underlying the endogenous dopaminergic inhibition of spinal locomotor circuit function in *Xenopus* tadpoles. *Sci Rep*. 2016 Oct 20;6:35749.

Günther T, et al. Research Resource: Real-Time Analysis of Somatostatin and Dopamine Receptor Signaling in Pituitary Cells Using a Fluorescence-Based Membrane Potential Assay. *Mol Endocrinol*. 2016 Apr;30(4):479-90.

Chiba T, et al. Influences of rapid pacing-induced electrical remodeling on pharmacological manipulation of the atrial refractoriness in rabbits. *J Pharmacol Sci*. 2016 Mar;130(3):170-6.

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