

Tertiapin LQ TFA

Chemical Properties

CAS No. :

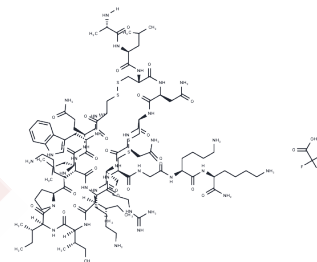
Formula: C106H179N33O24S4.XCF3COOH

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

Tertiapin LQ, a peptide derivative of honeybee venom peptide tertiapin, acts as an inhibitor of inwardly rectifying potassium (Kir) channels. Specifically, it targets and inhibits heteromultimeric potassium channels, including those formed by GIRK1 (also known as Kir3.1) and GIRK4 (Kir3.4), as well as inward-rectifier potassium channel 1 (Kir1.1). Its efficaciousness extends to in vivo applications, where it has been observed to suppress the Purkinje cell pause response to conditional stimuli in ferrets.

Solubility Information

Solubility

H2O: Soluble
(< 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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