

## Spinoxin

## Chemical Properties

CAS No. :	752984-66-0
Formula:	C147H236N48O46S9
Molecular Weight:	3700.33
Storage:	Keep away from moisture 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	Spinoxin, a 34-residue peptide neurotoxin extracted from the venom of Heterometrus spinifer, is characterized by four disulfide bridges. It acts as a potent inhibitor of the Kv1.3 potassium channel with an IC <sub>50</sub> value of 63 nM. This compound is regarded as a promising molecular target for the diagnosis and treatment of a range of autoimmune disorders and cancers [1].
Targets(IC <sub>50</sub> )	Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2702 mL	1.3512 mL	2.7025 mL
5 mM	0.054 mL	0.2702 mL	0.5405 mL
10 mM	0.027 mL	0.1351 mL	0.2702 mL
50 mM	0.0054 mL	0.027 mL	0.054 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