

Gonyautoxin III

Chemical Properties

CAS No. :	60537-65-7
Formula:	C10H17N7O8S
Molecular Weight:	395.35
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	Gonyautoxin III (GTX-III) is a paralytic shellfish toxin. It inhibits voltage-gated sodium channels at the axonal level, with an IC50 value of 14.9 nM, thereby disrupting the conduction of nerve impulses. Gonyautoxin III also exhibits cytotoxic activity against mouse neuroblastoma cells and is applicable in research on cancer and neurological diseases.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5294 mL	12.647 mL	25.294 mL
5 mM	0.5059 mL	2.5294 mL	5.0588 mL
10 mM	0.2529 mL	1.2647 mL	2.5294 mL
50 mM	0.0506 mL	0.2529 mL	0.5059 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