

Jingzhaotoxin-V

Chemical Properties

CAS No. :

Formula: C157H243N47O37S7

Molecular Weight: 3605.36

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	Jingzhaotoxin-V, a 29-residue polypeptide from Chilobrachys jingzhao spider venom, selectively inhibits tetrodotoxin-resistant and tetrodotoxin-sensitive sodium currents in rat dorsal root ganglion neurons, with IC50 values of 27.6 nM and 30.2 nM, respectively. Furthermore, it suppresses Kv4.2 potassium currents in Xenopus laevis oocytes, with an IC50 of 604.2 nM [1].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2774 mL	1.3868 mL	2.7736 mL
5 mM	0.0555 mL	0.2774 mL	0.5547 mL
10 mM	0.0277 mL	0.1387 mL	0.2774 mL
50 mM	0.0055 mL	0.0277 mL	0.0555 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.

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