

## Jingzhaotoxin-II

## Chemical Properties

CAS No. :

Formula: C154H219N39O45S7

Molecular Weight: 3561.08

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-II, a neurotoxin composed of 32 amino acid residues featuring two acidic and two basic residues, selectively inhibits voltage-gated sodium channels (VGSC), notably slowing the rapid inactivation of TTX-resistant (TTX-R) VGSC in cardiac myocytes, with an IC50 of 0.26 $\mu$ M [1].
Targets(IC50)	Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2808 mL	1.4041 mL	2.8081 mL
5 mM	0.0562 mL	0.2808 mL	0.5616 mL
10 mM	0.0281 mL	0.1404 mL	0.2808 mL
50 mM	0.0056 mL	0.0281 mL	0.0562 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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