

mHuwentoxin-IV

Chemical Properties

CAS No. :

Formula: C174H276N52O50S6

Molecular Weight: 4088.76

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	mHuwentoxin-IV, a naturally modified form of Huwentoxin-IV, selectively inhibits tetrodotoxin-sensitive (TTX-S) voltage-gated sodium channels in dorsal root ganglion neurons with an IC50 value of 54.16 nM. Notably, the inhibitory effect of mHuwentoxin-IV on these sodium channels is unaffected by strong depolarization voltages [1].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2446 mL	1.2229 mL	2.4457 mL
5 mM	0.0489 mL	0.2446 mL	0.4891 mL
10 mM	0.0245 mL	0.1223 mL	0.2446 mL
50 mM	0.0049 mL	0.0245 mL	0.0489 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

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