

## Huwentoxin I

## Chemical Properties

CAS No. :	769973-37-7
Formula:	C161H246N48O44S6
Molecular Weight:	3750.36
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	Huwentoxin I (HWTX-I) is a peptide toxin that inhibits voltage-gated sodium channels and N-type calcium channels. It effectively blocks sodium channels in rat hippocampus and cockroach dorsal unpaired median (DUM) neurons, with IC50 values of 66.1 nM and 4.80 nM, respectively [1].
Targets(IC50)	Calcium Channel,Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2666 mL	1.3332 mL	2.6664 mL
5 mM	0.0533 mL	0.2666 mL	0.5333 mL
10 mM	0.0267 mL	0.1333 mL	0.2666 mL
50 mM	0.0053 mL	0.0267 mL	0.0533 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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