

## m3-Huwentoxin IV

## Chemical Properties

CAS No. :

Formula: C170H271N53O46S6

Molecular Weight: 3985.69

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	m3-Huwentoxin IV (m3-HwTx-IV) is a potent inhibitor of sodium channels (NaV), with half-maximal inhibitory concentrations (IC50s) of 3.3 nM for hNaV1.7, 6.8 nM for hNaV1.6, 7.2 nM for hNaV1.3, 8.4 nM for hNaV1.1, 11.9 nM for hNaV1.2, and 369 nM for hNaV1.4 in the QPatch assay. It also alleviates spontaneous pain in a rodent model induced by the NaV1.7 activator OD1 in a dose-dependent manner [1].
Targets(IC50)	Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2509 mL	1.2545 mL	2.509 mL
5 mM	0.0502 mL	0.2509 mL	0.5018 mL
10 mM	0.0251 mL	0.1254 mL	0.2509 mL
50 mM	0.005 mL	0.0251 mL	0.0502 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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