

## Hainantoxin-IV

## Chemical Properties

CAS No. :	651782-02-4
Formula:	C166H257N53O50S6
Molecular Weight:	3987.53
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	Hainantoxin-IV acts as a specific antagonist for tetrodotoxin-sensitive (TTX-S) voltage-gated sodium channels, with His28 and Lys32 being critical residues for binding to the target. This compound also features an inhibitor cystine knot motif [1].
Targets(IC50)	Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2508 mL	1.2539 mL	2.5078 mL
5 mM	0.0502 mL	0.2508 mL	0.5016 mL
10 mM	0.0251 mL	0.1254 mL	0.2508 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.

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