

## Cenderitide

## Chemical Properties

CAS No. :	507289-11-4
Formula:	C158H263N49O50S3
Molecular Weight:	3745.27
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	Cenderitide, a natriuretic peptide (NP) that combines C-type natriuretic peptide (CNP) with the C-terminus of Dendroaspis natriuretic peptide (DNP), serves as a potent agonist of the particulate guanylyl cyclase receptor (pGC). By activating both pGC-A and pGC-B receptors, it stimulates the production of the second messenger cGMP, suppresses aldosterone, and maintains glomerular filtration rate (GFR) without affecting blood pressure. This compound is particularly significant in the context of heart failure research, as evidenced by references [1] [2] [3].
Targets(IC50)	Guanylate cyclase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.267 mL	1.335 mL	2.670 mL
5 mM	0.0534 mL	0.267 mL	0.534 mL
10 mM	0.0267 mL	0.1335 mL	0.267 mL
50 mM	0.0053 mL	0.0267 mL	0.0534 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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