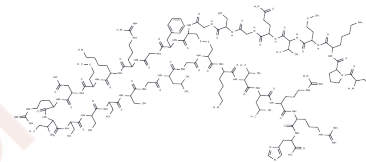


Nesiritide

Chemical Properties

CAS No. :	124584-08-3
Formula:	C143H244N50O42S4
Molecular Weight:	3464.04
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	Nesiritide is the recombinant form of the 32 amino acid human B-type natriuretic peptide, which is normally produced by the ventricular myocardium. It is an agonist of natriuretic peptide receptors (NPRs), with Kd values of 7.3 and 13 pM for NPR-A and NPR-C, respectively.
Targets(IC50)	Calcium Channel,Natriuretic peptide

Solubility Information

Solubility	H2O: 40 mg/mL (11.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2887 mL	1.4434 mL	2.8868 mL
5 mM	0.0577 mL	0.2887 mL	0.5774 mL
10 mM	0.0289 mL	0.1443 mL	0.2887 mL
50 mM	0.0058 mL	0.0289 mL	0.0577 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.

Reference

Koller KJ, et al. Molecular biology of the natriuretic peptides and their receptors. Circulation. 1992 Oct;86(4):1081-8.

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