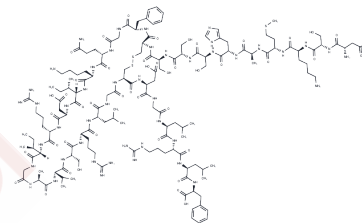


Brain Natriuretic Peptide (1-32), rat

Chemical Properties

CAS No. :	133448-20-1
Formula:	C146H239N47O44S3
Molecular Weight:	3452.94
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	Brain Natriuretic Peptide (BNP) (1-32), rat is a 32 amino acid polypeptide secreted by the ventricles of the heart in response to excessive stretching of heart muscle cells (cardiomyocytes). Brain natriuretic peptide (type B natriuretic peptide) was originally isolated from brain, but is mainly produced in myoendocrine cells of the heart ventricles from which it is released into the circulation.
Targets(IC50)	RAAS

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2896 mL	1.448 mL	2.8961 mL
5 mM	0.0579 mL	0.2896 mL	0.5792 mL
10 mM	0.029 mL	0.1448 mL	0.2896 mL
50 mM	0.0058 mL	0.029 mL	0.0579 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

Dickey DM, et al. Human B-type natriuretic peptide is not degraded by meprin A. *Biochem Pharmacol.* 2010 Oct 1; 80(7):1007-11.

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