

## C-Type Natriuretic Peptide (1-53), human

## Chemical Properties

CAS No. :	141294-77-1
Formula:	C251H417N81O71S3
Molecular Weight:	5801.77
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>

DLRIVDTKSRAAWAWALLQEHPMARKYKGANIKKLSKOCFLKLDRIIGMSGLGC

## Biological Description

Description	CNP, a member of the natriuretic peptide family, was first identified in porcine brain and later found in other mammals as well as non-mammals. Processing of the CNP precursor gives rise to CNP-22 and its N-terminally elongated form, CNP-53. The CNPs share considerable sequence homology with ANP and BNP within the disulfide loop and exert similar pharmacological actions, although with different relative potencies.
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	0.1724 mL	0.8618 mL	1.7236 mL
5 mM	0.0345 mL	0.1724 mL	0.3447 mL
10 mM	0.0172 mL	0.0862 mL	0.1724 mL
50 mM	0.0034 mL	0.0172 mL	0.0345 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

Minamino N, et al. N-terminally extended form of C-type natriuretic peptide (CNP-53) identified in porcine brain. Biochem Biophys Res Commun. 1990 Jul 31;170(2):973-9.

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