

Pep 2-8 ammonium salt(1541011-97-5 free base)

## Chemical Properties

CAS No. :

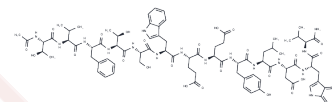
Formula: C83H113N17O24

Molecular Weight: 1732.91

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Pep 2-8 ammonium salt is Proprotein convertase subtilisin/kexin type 9 (PCSK9) inhibitor. Potent inhibitor of PCSK9 binding to LDL receptor (IC50 = 0.8 μM). Restores LDL uptake in HepG2 cells treated with PCSK9.
Targets(IC50)	Others,LDLR

## Solubility Information

Solubility DMSO: 10 mM, Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5771 mL	2.8853 mL	5.7706 mL
5 mM	0.1154 mL	0.5771 mL	1.1541 mL
10 mM	0.0577 mL	0.2885 mL	0.5771 mL
50 mM	0.0115 mL	0.0577 mL	0.1154 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

Zhang et al (2014) Identification of a small peptide that inhibits PCSK9 protein binding to the low density lipoprotein receptor. J.Biol.Chem. 289 942 PMID:

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