

## Catestatin acetate

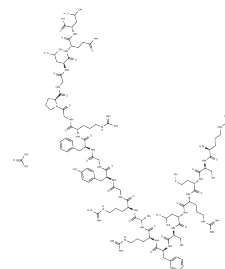
## Chemical Properties

CAS No. :

Formula: C109H177N37O28S

Molecular Weight: 2485.87

Storage: Store at low temperature, Keep away from moisture  
 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	Catestatin acetate is a non-competitive antagonist of nAChR and inhibits catecholamine release. Catestatin acetate regulates cardiac function and blood pressure.
Targets(IC50)	Endogenous Metabolite, AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4023 mL	2.0114 mL	4.0227 mL
5 mM	0.0805 mL	0.4023 mL	0.8045 mL
10 mM	0.0402 mL	0.2011 mL	0.4023 mL
50 mM	0.008 mL	0.0402 mL	0.0805 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

Sebastian Kraszewski, et al. A Molecular Dynamics Study of Catestatin Docked on Nicotinic Acetylcholine Receptors to Identify Amino Acids Potentially Involved in the Binding of Chromogranin A Fragments. *Phys Chem Chem Phys*. 2015 Jul 14;17(26):17454-60.

Nitish R Mahapatra. Catestatin Is a Novel Endogenous Peptide That Regulates Cardiac Function and Blood Pressure. *Cardiovasc Res*. 2008 Dec 1;80(3):330-8.

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