

## Pepsinostreptin

## Chemical Properties

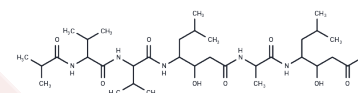
CAS No. : 51724-57-3

Formula: C<sub>33</sub>H<sub>61</sub>N<sub>5</sub>O<sub>9</sub>

Molecular Weight: 671.87

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	Pepsinostreptin is a pepsin inhibitor that forms a 1:1 complex with pepsin and suppresses its activity.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4884 mL	7.4419 mL	14.8838 mL
5 mM	0.2977 mL	1.4884 mL	2.9768 mL
10 mM	0.1488 mL	0.7442 mL	1.4884 mL
50 mM	0.0298 mL	0.1488 mL	0.2977 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

Sun Y, Takada K, Nogi Y, Okada S, Matsunaga S. Lower homologues of ahpantin, aspartic protease inhibitors, from a marine *Streptomyces* sp. *J Nat Prod*. 2014 Jul 25;77(7):1749-52. doi: 10.1021/np500337m. Epub 2014 Jun 24. PubMed PMID: 24960234.

Sørensen OE, Gram L, Johnsen AH, Andersson E, Bangsbøll S, Tjabringa GS, Hiemstra PS, Malm J, Egesten A, Borregaard N. Processing of seminal plasma hCAP-18 to ALL-38 by gastricsin: a novel mechanism of generating antimicrobial peptides in vagina. *J Biol Chem*. 2003 Aug 1;278(31):28540-6. Epub 2003 May 20. Erratum in: *J Biol Chem*. 2006 May 5;281(18):12999. PubMed PMID: 12759353.

Kobayashi H, Kusakabe I, Murakami K. Rapid isolation of microbial milk-clotting enzymes by N-acetyl (or N-isobutyryl)-pepstatin--Aminohexylagarose. *Anal Biochem*. 1982 May 15;122(2):308-12. PubMed PMID: 7051892.

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