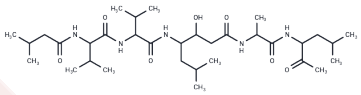
Data Sheet (Cat.No.T25938)

TargetMol

Pepstanone A

Chemical Properties



CAS No. : 38752-31-7

Formula: C33H61N5O7

Molecular Weight: 639.879

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	Pepstanone A is a potent aspartyl protease inhibitor, produced by pepstatin-producing Streptomyces.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5628 mL	7.814 mL	15.6279 mL
5 mM	0.3126 mL	1.5628 mL	3.1256 mL
10 mM	0.1563 mL	0.7814 mL	1.5628 mL
50 mM	0.0313 mL	0.1563 mL	0.3126 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

Miyano T, Tomiyasu M, Iizuka H, Tomisaka S, Takita T. New pepstatins, pepstatins B and C, and pepstanone A, produced by streptomyces. J Antibiot (Tokyo). 1972 Aug;25(8):489-91. PubMed PMID: 4567545.

Aoyagi T, Morishima H, Nishizawa R, Kunimoto S, Takeuchi T. Biological activity of pepstatins, pepstanone A and partial peptides on pepsin, cathepsin D and renin. J Antibiot (Tokyo). 1972 Dec;25(12):689-94. PubMed PMID: 4568691.

Aoyagi T, Umezawa H. The relationships between enzyme inhibitors and function of mammalian cells. Acta Biol Med Ger. 1981;40(10-11):1523-9. PubMed PMID: 7044007.

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