

A 76889

Chemical Properties

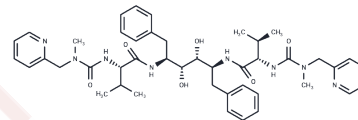
CAS No. : 134805-77-9

Formula: C₄₄H₅₈N₈O₆

Molecular Weight: 794.98

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	A 76889 is an inhibitor of HIV-1 protease.
Targets(IC50)	Others,HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2579 mL	6.2895 mL	12.5789 mL
5 mM	0.2516 mL	1.2579 mL	2.5158 mL
10 mM	0.1258 mL	0.6289 mL	1.2579 mL
50 mM	0.0252 mL	0.1258 mL	0.2516 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

Holzman TF, Kohlbrenner WE, Weigl D, Rittenhouse J, Kempf D, Erickson J. Inhibitor stabilization of human immunodeficiency virus type-2 proteinase dimer formation. *J Biol Chem.* 1991 Oct 15;266(29):19217-20. PubMed PMID: 1918040.

Powell DJ, Bur D, Wlodawer A, Gustchina A, Payne SL, Dunn BM, Kay J. Expression, characterisation and mutagenesis of the aspartic proteinase from equine infectious anaemia virus. *Eur J Biochem.* 1996 Oct 15;241(2):664-74. Erratum in: *Eur J Biochem* 1997 May 15;246(1):258. PubMed PMID: 8917470.

Gustchina A, Kervinen J, Powell DJ, Zdanov A, Kay J, Wlodawer A. Structure of equine infectious anemia virus proteinase complexed with an inhibitor. *Protein Sci.* 1996 Aug;5(8):1453-65. PubMed PMID: 8844837; PubMed Central PMCID: PMC2143478.

Lee CY, Yang PK, Tzou WS, Hwang MJ. Estimates of relative binding free energies for HIV protease inhibitors using different levels of approximations. *Protein Eng.* 1998 Jun;11(6):429-37. PubMed PMID: 9725621.

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