

A 80987

Chemical Properties

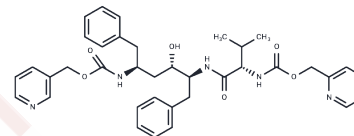
CAS No. : 144141-97-9

Formula: C₃₇H₄₃N₅O₆

Molecular Weight: 653.77

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 80987 is an inhibitor of HIV-1 protease.
Targets(IC50)	Others,HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5296 mL	7.6479 mL	15.2959 mL
5 mM	0.3059 mL	1.5296 mL	3.0592 mL
10 mM	0.153 mL	0.7648 mL	1.5296 mL
50 mM	0.0306 mL	0.153 mL	0.3059 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

Bilello JA, Bilello PA, Stellrecht K, Leonard J, Norbeck DW, Kempf DJ, Robins T, Drusano GL. Human serum alpha 1 acid glycoprotein reduces uptake, intracellular concentration, and antiviral activity of A-80987, an inhibitor of the human immunodeficiency virus type 1 protease. *Antimicrob Agents Chemother.* 1996 Jun;40(6):1491-7. PubMed PMID: 8726025; PubMed Central PMCID: PMC163355.

Kempf DJ, Sham HL, Marsh KC, Flentge CA, Betebenner D, Green BE, McDonald E, Vasavanonda S, Saldivar A, Wideburg NE, Kati WM, Ruiz L, Zhao C, Fino L, Patterson J, Molla A, Plattner JJ, Norbeck DW. Discovery of ritonavir, a potent inhibitor of HIV protease with high oral bioavailability and clinical efficacy. *J Med Chem.* 1998 Feb 12;41(4):602-17. PubMed PMID: 9484509.

Kempf DJ, Marsh KC, Fino LC, Bryant P, Craig-Kennard A, Sham HL, Zhao C, Vasavanonda S, Kohlbrenner WE, Wideburg NE, et al. Design of orally bioavailable, symmetry-based inhibitors of HIV protease. *Bioorg Med Chem.* 1994 Sep;2(9):847-58. PubMed PMID: 7712122.

Erickson-Viitanen S, Klabe RM, Cawood PG, O'Neal PL, Meek JL. Potency and selectivity of inhibition of human immunodeficiency virus protease by a small nonpeptide cyclic urea, DMP 323. *Antimicrob Agents Chemother.* 1994 Jul;38(7):1628-34. PubMed PMID: 7979296; PubMed Central PMCID: PMC284603.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481