

85548e

Chemical Properties

CAS No. : 124020-62-8

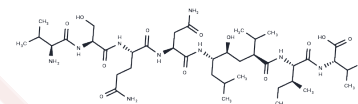
Formula: C₄₀H₇₃N₉O₁₂

Molecular Weight: 872.075

Keep away from moisture

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	85548e is used as an inhibitor that exhibiting subnanomolar affinity towards HIV type-1 aspartic proteinase (HIV-1 PR).
Targets(IC50)	Others,HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1467 mL	5.7334 mL	11.4668 mL
5 mM	0.2293 mL	1.1467 mL	2.2934 mL
10 mM	0.1147 mL	0.5733 mL	1.1467 mL
50 mM	0.0229 mL	0.1147 mL	0.2293 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

Sawyer TK, Staples DJ, Liu L, Tomasselli AG, Hui JO, O'Connell K, Schostarez H, Hester JB, Moon J, Howe WJ, et al. HIV protease (HIV PR) inhibitor structure-activity-selectivity, and active site molecular modeling of high affinity Leu [CH(OH)CH₂]Val modified viral and nonviral substrate analogs. *Int J Pept Protein Res.* 1992 Sep-Oct;40(3-4):274-81. PubMed PMID: 1478785.

Jaskólski M, Tomasselli AG, Sawyer TK, Staples DG, Henrikson RL, Schneider J, Kent SB, Wlodawer A. Structure at 2.5-Å resolution of chemically synthesized human immunodeficiency virus type 1 protease complexed with a hydroxyethylene-based inhibitor. *Biochemistry.* 1991 Feb 12;30(6):1600-9. PubMed PMID: 1993177.

Obrzut SL, Koren AO, Mandelkern MA, Brody AL, Hoh CK, London ED. Whole-body radiation dosimetry of 2-[¹⁸F]Fluoro-A-85380 in human PET imaging studies. *Nucl Med Biol.* 2005 Nov;32(8):869-74. PubMed PMID: 16253812.

Swain AL, Gustchina A, Wlodawer A. Comparison of three inhibitor complexes of human immunodeficiency virus protease. *Adv Exp Med Biol.* 1991;306:433-41. PubMed PMID: 1812740.

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