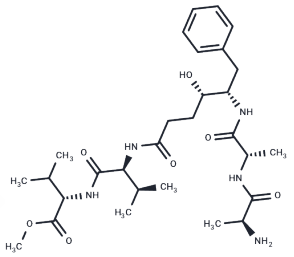
Data Sheet (Cat.No.T26192)

TargetMol

SKF-107457

Chemical Properties



CAS No. : 126333-28-6

Formula: C29H47N5O7

Molecular Weight: 577.723

Storage: Keep away from moisture
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	SKF-107457 is an HIV protease type 1 inhibitor. It is a hexapeptide substrate analog with the scissile bond being replaced by a hydroxy ethylene isostere.
Targets(IC50)	HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7309 mL	8.6547 mL	17.3094 mL
5 mM	0.3462 mL	1.7309 mL	3.4619 mL
10 mM	0.1731 mL	0.8655 mL	1.7309 mL
50 mM	0.0346 mL	0.1731 mL	0.3462 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

Murthy KH, Winborne EL, Minnich MD, Culp JS, Debouck C. The crystal structures at 2.2-A resolution of hydroxyethylene-based inhibitors bound to human immunodeficiency virus type 1 protease show that the inhibitors are present in two distinct orientations. J Biol Chem. 1992 Nov 15;267(32):22770-8. PubMed PMID: 1429626.

Wood SJ, Wetzel R. A novel method for the incorporation of glycoprotein-derived oligosaccharides into neoglycopeptides. Bioconjug Chem. 1992 Sep-Oct;3(5):391-6. PubMed PMID: 1420438.

Zhao B, Winborne E, Minnich MD, Culp JS, Debouck C, Abdel-Meguid SS. Three-dimensional structure of a simian immunodeficiency virus protease/inhibitor complex. Implications for the design of human immunodeficiency virus type 1 and 2 protease inhibitors. Biochemistry. 1993 Dec 7;32(48):13054-60. PubMed PMID: 8241159.

Verkhivker GM. Empirical free energy calculations of human immunodeficiency virus type 1 protease crystallographic complexes. II. Knowledge-based ligand-protein interaction potentials applied to thermodynamic analysis of hydrophobic mutations. Pac Symp Biocomput. 1996:638-52. PubMed PMID: 9390264.