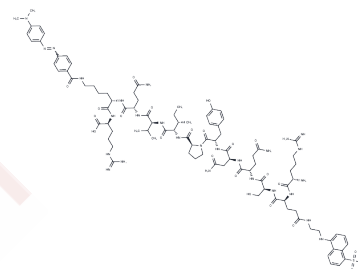


HIV Protease Substrate 1

Chemical Properties

CAS No. :	223769-59-3
Formula:	C92H133N27O23S
Molecular Weight:	2017.3
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	HIV Protease Substrate 1 is a fluorogenic compound that offers insights into the enzymatic activity of HIV protease, making it a valuable tool for studying this aspect.
Targets(IC50)	HIV Protease
In vitro	HIV Protease Substrate 1, a synthetic peptide, incorporates the cleavage site (Tyr-Pro) tailored for HIV protease activation along with two chemically modified amino acids, facilitating cleavage detection[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4957 mL	2.4786 mL	4.9571 mL
5 mM	0.0991 mL	0.4957 mL	0.9914 mL
10 mM	0.0496 mL	0.2479 mL	0.4957 mL
50 mM	0.0099 mL	0.0496 mL	0.0991 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

Kapewangolo P, et al. Anti-HIV Activity of Ocimum labiatum Extract and Isolated Pheophytin-a. Molecules. 2017;22(11):1763. Published 2017 Nov 6.

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