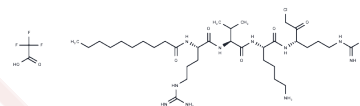


Decanoyl-RVCR-CMK TFA

Chemical Properties

CAS No. :	2098497-25-5
Formula:	C ₃₆ H ₆₇ ClF ₃ N ₁₁ O ₇
Molecular Weight:	858.45
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	Decanoyl-RVCR-CMK (DecRVKRcmk) TFA effectively hinders the processing of over-expressed gp160 and suppresses HIV-1 replication.
Targets(IC50)	HIV Protease
In vitro	Decanoyl-RVCR-CMK (DecRVKRcmk) TFA effectively inhibits HIV-2 ROD replication by impeding the processing of envelope glycoprotein precursors in Jurkat lymphocyte cells [1] and obstructs the regulated secretion of VGF[2]. In a cell viability assay with HeLaCD4 cells infected with recombinant vaccinia viruses at 5 PFU/mL MOI, 35 μM concentration reduced ex vivo HIV-1 and HIV-2 replication rates by 70-80% over 7 days.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1649 mL	5.8245 mL	11.6489 mL
5 mM	0.233 mL	1.1649 mL	2.3298 mL
10 mM	0.1165 mL	0.5824 mL	1.1649 mL
50 mM	0.0233 mL	0.1165 mL	0.233 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

B Bahbouhi, et al. Inhibition of HIV-2(ROD) replication in a lymphoblastoid cell line by the alpha1-antitrypsin Portland variant (alpha1-PDX) and the decRVKRCmk peptide: comparison with HIV-1(LAI). *Microbes Infect.* 2001 Nov;3(13):1073-84.

Angelo L Garcia, et al. A prohormone convertase cleavage site within a predicted alpha-helix mediates sorting of the neuronal and endocrine polypeptide VGF into the regulated secretory pathway. *J Biol Chem.* 2005 Dec 16;280(50):41595-608.

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