

VIR-165

## Chemical Properties

CAS No. :

Formula: C109H158N22O25S2

Molecular Weight: 2240.7

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	VIR-165 is a modified form of virus inhibitory peptide (VIRIP), corresponding to residues 353 to 372 of the C-proximal region of human alpha1-antitrypsin, the most abundant circulating serine protease inhibitor. VIRIP inhibits a wide variety of human immunodeficiency virus type 1 (HIV-1) strains.
Targets(IC50)	HIV Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4463 mL	2.2314 mL	4.4629 mL
5 mM	0.0893 mL	0.4463 mL	0.8926 mL
10 mM	0.0446 mL	0.2231 mL	0.4463 mL
50 mM	0.0089 mL	0.0446 mL	0.0893 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

Münch J, et al. Discovery and optimization of a natural HIV-1 entry inhibitor targeting the gp41 fusion peptide. Cell. 2007 Apr 20;129(2):263-75.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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