

HIV-1 inhibitor-79

Chemical Properties

CAS No. :

Formula: C₂₁H₁₇N₇O

Molecular Weight: 383.41

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	HIV-1 inhibitor-79 (Compound 3k) is an HIV inhibitor that demonstrates significant inhibitory activity against HIV-1 and its common mutants, with IC ₅₀ values of 1.9 nM for HIV-1, K103, 8.7 nM for L100I, and 11 nM for E138K. It exhibits low cytotoxicity and a high selectivity index (CC ₅₀ = 21.95 μM, SI = 11478). Additionally, HIV-1 inhibitor-79 shows antiviral activity against HIV-2, with an EC ₅₀ value of 6.14 μM, and effectively inhibits HIV-1 reverse transcriptase with an IC ₅₀ of 25 nM.
Targets(IC ₅₀)	HIV Protease, Reverse Transcriptase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6082 mL	13.0409 mL	26.0817 mL
5 mM	0.5216 mL	2.6082 mL	5.2163 mL
10 mM	0.2608 mL	1.3041 mL	2.6082 mL
50 mM	0.0522 mL	0.2608 mL	0.5216 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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