

## HIV-1 inhibitor-59

## Chemical Properties

CAS No. :

Formula: C<sub>28</sub>H<sub>28</sub>FN<sub>5</sub>O<sub>3</sub>S

Molecular Weight: 533.62

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-59 (Compound I-5b) effectively inhibits both wild-type and mutant strains of HIV-1, with EC <sub>50</sub> values ranging from 5.62 to 171 nM. Additionally, it demonstrates moderate inhibitory activity against the reverse transcriptase (RT) enzyme, with IC <sub>50</sub> values between 0.094 and 12.0 μM [1]. |
| Targets(IC <sub>50</sub> ) | Others,HIV Protease   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.874 mL  | 9.370 mL  | 18.7399 mL |
| 5 mM  | 0.3748 mL | 1.874 mL  | 3.748 mL   |
| 10 mM | 0.1874 mL | 0.937 mL  | 1.874 mL   |
| 50 mM | 0.0375 mL | 0.1874 mL | 0.3748 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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