

F9170 TFA

Chemical Properties

CAS No. :

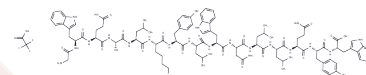
Formula: C100H135N21O22.XCF3COOH

Molecular Weight: 1983.30

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	F9170, an antiviral peptide derived from the HIV-1 envelope glycoprotein (amino acids 789-803), targets the LLP1 domain in the virus's envelope protein cytoplasmic tail. This interaction inhibits HIV-1 IIIB infection in MT-2 cells, evidenced by an EC50 value of 0.19 μ M. Additionally, at a dosage of 3 mg/kg, F9170 significantly lowers plasma viral load in rhesus macaques infected with simian HIV (SHIV).
Targets(IC50)	HIV Protease

Solubility Information

Solubility	Ethanol: 25 mg/mL (12.61 mM),Sonication is recommended. DMSO: 10 mg/mL (5.04 mM),Sonication is recommended. DMF: 25 mg/mL (12.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5042 mL	2.5211 mL	5.0421 mL
5 mM	0.1008 mL	0.5042 mL	1.0084 mL
10 mM	0.0504 mL	0.2521 mL	0.5042 mL
50 mM	0.0101 mL	0.0504 mL	0.1008 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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