

Mer-NF5003E

Chemical Properties

CAS No. : 159121-98-9
Formula: C₂₃H₃₂O₅
Molecular Weight: 388.5
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	Mer-NF5003E is a non-nucleoside reverse transcriptase inhibitor targeting HIV-1 reverse transcriptase (RT) with an EC ₅₀ of 50 µM. It exhibits inhibitory effects on both wild-type HIV-1 and various NNRTI-resistant strains (e.g., K103N, Y181C). Mer-NF5003E holds potential for use in HIV infection research.
Targets(IC ₅₀)	HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.574 mL	12.870 mL	25.740 mL
5 mM	0.5148 mL	2.574 mL	5.148 mL
10 mM	0.2574 mL	1.287 mL	2.574 mL
50 mM	0.0515 mL	0.2574 mL	0.5148 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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