

HIV-1 integrase inhibitor 4

Chemical Properties

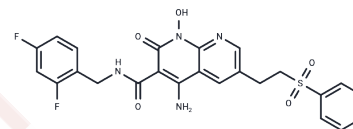
CAS No. : 1638504-66-1

Formula: C₂₄H₂₀F₂N₄O₅S

Molecular Weight: 514.5

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	HIV-1 integrase inhibitor 4 is an HIV-1 integrase strand transfer (INST) inhibitor with an IC ₅₀ of 3.7 nM.
Targets(IC ₅₀)	Others,HIV Protease
In vitro	HIV-1 integrase inhibitor 4 shows potent activity against recombinant HIV IN in biochemical assays and good efficacy in assays done in cell culture against a broad panel of viral mutants carrying the major RAL and DTG IN resistance mutations.HIV-1 integrase inhibitor 4 is a HIV-1 integrase strand transfer (INST) inhibitor with an IC ₅₀ of 3.7 nM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9436 mL	9.7182 mL	19.4363 mL
5 mM	0.3887 mL	1.9436 mL	3.8873 mL
10 mM	0.1944 mL	0.9718 mL	1.9436 mL
50 mM	0.0389 mL	0.1944 mL	0.3887 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

Zhao XZ, et al. HIV-1 Integrase Strand Transfer Inhibitors with Reduced Susceptibility to Drug Resistant MutantIntegrases. ACS Chem Biol. 2016 Apr 15;11(4):1074-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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