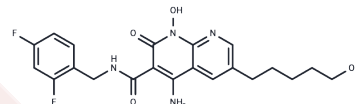


HIV-1 integrase inhibitor 3

Chemical Properties

CAS No. :	1638504-56-9
Formula:	C ₂₁ H ₂₂ F ₂ N ₄ O ₄
Molecular Weight:	432.42
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 3 is an HIV-1 integrase strand transfer (INST) inhibitor with an IC ₅₀ of 2.7 nM.
Targets(IC ₅₀)	Others,HIV Protease
In vitro	HIV-1 integrase inhibitor 3 also displays an antiviral inhibitory potency against the Q148H/G140S mutant with an EC ₅₀ of 7 nM.HIV-1 integrase inhibitor 3 is a HIV-1 integrase strand transfer (INST) inhibitor with an IC ₅₀ of 2.7 nM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3126 mL	11.5628 mL	23.1257 mL
5 mM	0.4625 mL	2.3126 mL	4.6251 mL
10 mM	0.2313 mL	1.1563 mL	2.3126 mL
50 mM	0.0463 mL	0.2313 mL	0.4625 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481