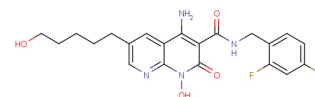


HIV-1 integrase inhibitor 3

Chemical Properties

CAS No.:	1638504-56-9
Formula:	C ₂₁ H ₂₂ F ₂ N ₄ O ₄
Molecular Weight:	432.42
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	HIV-1 integrase inhibitor 3 is an HIV-1 integrase strand transfer (INST) inhibitor (IC ₅₀ : 2.7 nM).
Targets(IC ₅₀)	INST: 2.7 nM
In vitro	HIV-1 integrase inhibitor 3 displays an antiviral inhibitory potency against the Q148H/G140S mutant (EC ₅₀ : 7 nM).

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.313 mL	11.563 mL	23.126 mL
5 mM	0.463 mL	2.313 mL	4.625 mL
10 mM	0.231 mL	1.156 mL	2.313 mL
50 mM	0.046 mL	0.231 mL	0.463 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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