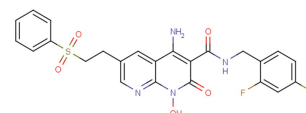


HIV-1 integrase inhibitor 4

Chemical Properties

CAS No.:	1638504-66-1
Formula:	C ₂₄ H ₂₀ F ₂ N ₄ O ₅ S
Molecular Weight:	514.5
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 4 is an HIV-1 integrase strand transfer (INST) inhibitor (IC ₅₀ : 3.7 nM).
Targets(IC ₅₀)	INST: 3.7 nM
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.

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	1.944 mL	9.718 mL	19.436 mL
5 mM	0.389 mL	1.944 mL	3.887 mL
10 mM	0.194 mL	0.972 mL	1.944 mL
50 mM	0.039 mL	0.194 mL	0.389 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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