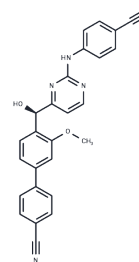


HIV-1 inhibitor-25

Chemical Properties

CAS No. :	2475658-74-1
Formula:	C ₂₆ H ₁₉ N ₅ O ₂
Molecular Weight:	433.46
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 inhibitor-25 (compound R-12a) is a potent inhibitor of HIV-1 reverse transcription (HIV-1 RT) with an IC ₅₀ of 0.1061 nM. It exhibits a high antiviral effect against wild-type HIV-1 (EC ₅₀ : 13.6 nM) and demonstrates low cytotoxicity (to MT). It also inhibits HIV-1 mutants (L100I, K103 N, Y181C, Y188L, E138K, F227L+V106A) with EC ₅₀ values ranging from 0.1961 to 5.8136 μM. HIV-1 inhibitor-25 is useful for studying AIDS.
Targets(IC ₅₀)	Others,HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.307 mL	11.5351 mL	23.0702 mL
5 mM	0.4614 mL	2.307 mL	4.614 mL
10 mM	0.2307 mL	1.1535 mL	2.307 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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