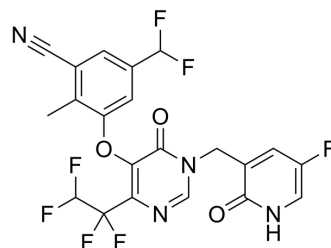


PYR01

Cat. No.:	HY-153225		
CAS No.:	2560576-15-8		
Molecular Formula:	C ₂₁ H ₁₃ F ₇ N ₄ O ₃		
Molecular Weight:	502.34		
Target:	HIV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (199.07 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9907 mL	9.9534 mL	19.9068 mL
	5 mM	0.3981 mL	1.9907 mL	3.9814 mL
	10 mM	0.1991 mL	0.9953 mL	1.9907 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (4.98 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (4.98 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

PYR01 is a potent HIV-1 nonnucleoside reverse transcriptase inhibitor. PYR01 is an also targeted activator of cell kill molecules eliminate cells expressing HIV-1^[1].

REFERENCES

- [1]. Carl J Balibar, et al. Potent targeted activator of cell kill molecules eliminate cells expressing HIV-1. Sci Transl Med. 2023 Feb 22;15(684):eabn2038.

Caution: Product has not been fully validated for medical applications. For research use only.

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