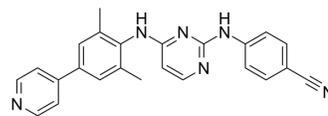


HIV-1 inhibitor-15

Cat. No.:	HY-144122
CAS No.:	2757182-99-1
Molecular Formula:	C ₂₄ H ₂₀ N ₆
Molecular Weight:	392.46
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HIV-1 inhibitor-15 (compound 9d) is a highly potent and broad-spectrum HIV-1 inhibitor. HIV-1 inhibitor-15 has inhibitory activity against HIV-1 WT, L100I, K103N, Y181C, E138K with EC ₅₀ s of 1.7 nM, 4 nM, 2 nM, 6 nM and 9 nM, respectively. HIV-1 inhibitor-15 has good solubility, safety profiles and favorable oral bioavailability ^[1] .			
IC₅₀ & Target	HIV-1 (WT)	HIV-1 (L100I)	HIV-1 (K103N)	HIV-1 (Y181C)
	1.7 nM (EC ₅₀)	4 nM (EC ₅₀)	2 nM (EC ₅₀)	6 nM (EC ₅₀)
	HIV-1 (E138K)	9 nM (EC ₅₀)		

REFERENCES

[1]. Ding L, et al. Discovery of Novel Pyridine-Dimethyl-Phenyl-DAPY Hybrids by Molecular Fusing of Methyl-Pyrimidine-DAPYs and Difluoro-Pyridinyl-DAPYs: Improving the Druggability toward High Inhibitory Activity, Solubility, Safety, and PK. *J Med Chem.* 2022;65(3):2122-2138.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA