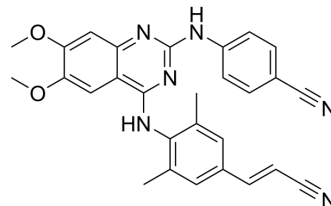


HIV-1 inhibitor-21

Cat. No.:	HY-146015
CAS No.:	2554620-04-9
Molecular Formula:	C ₂₈ H ₂₄ N ₆ O ₂
Molecular Weight:	476.53
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-21 (compound 9b) is a potent HIV-1 non-nucleoside reverse transcriptase (RT) inhibitor, with an IC ₅₀ value of 0.55 μM for HIV-1 RT. HIV-1 inhibitor-21 has antiretroviral activity against HIV-1 WT and K103N strains with EC ₅₀ s of 12.7 nM and 10.4 nM, and has relatively low cytotoxicity (MT-4 cells CC ₅₀ =10.2 μM) ^[1] .	
IC₅₀ & Target	HIV-1 (WT) 12.7 nM (EC50)	HIV-1 (K103N) 10.4 nM (EC50)

REFERENCES

[1]. Han S, et al. Fragment hopping-based discovery of novel sulfinylacetamide-diarylpyrimidines (DAPYs) as HIV-1 nonnucleoside reverse transcriptase inhibitors. *Eur J Med Chem.* 2020;185:111874.

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

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