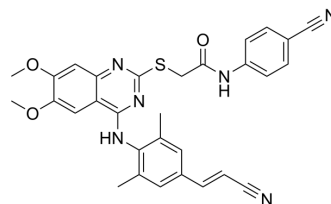


HIV-1 inhibitor-22

Cat. No.:	HY-146017
CAS No.:	2554618-33-4
Molecular Formula:	C ₃₀ H ₂₆ N ₆ O ₃ S
Molecular Weight:	550.63
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-22 (compound 11a) is a potent HIV-1 non-nucleoside reverse transcriptase (RT) inhibitor, with an IC ₅₀ value of 3.63 μM for HIV-1 RT. HIV-1 inhibitor-22 has antiretroviral activity against HIV-1 WT and K103N strains with EC ₅₀ s of 0.304 μM and 0.201 μM, also has low cytotoxicity (CC ₅₀ > 227 μM) ^[1]	
IC₅₀ & Target	HIV-1 (WT) 0.304 μM (EC50)	HIV-1 (K103N) 0.201 μM (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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