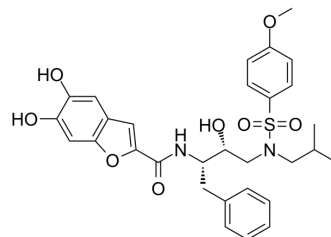


HIV-1 inhibitor-53

Cat. No.:	HY-152200
CAS No.:	2883496-10-2
Molecular Formula:	C ₃₀ H ₃₄ N ₂ O ₈ S
Molecular Weight:	582.66
Target:	HIV Protease; Reverse Transcriptase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HIV-1 inhibitor-53 is a dual HIV-1 protease and reverse transcriptase inhibitor. HIV-1 inhibitor-53 inhibits HIV-1 protease (PR) and reverse transcriptase (RT) activity with IC ₅₀ values of 1.93 nM and 2.35 μM, respectively. HIV-1 inhibitor-53 can be used for the research of acquired immune deficiency syndrome (AIDS) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.93 nM (protease); 2.35 μM (reverse transcriptase) ^[1]
In Vitro	HIV-1 inhibitor-53 has inhibition against HIV-1 protease (PR) and reverse transcriptase (RT) with IC ₅₀ values of 1.93 nM and 2.35 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mei Zhu, Structure based design and evaluation of benzoheterocycle derivatives as potential dual HIV-1 protease and reverse transcriptase inhibitors. Eur J Med Chem

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

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