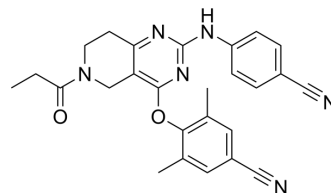


HIV-1 inhibitor-58

Cat. No.:	HY-149866
Molecular Formula:	C ₂₆ H ₂₄ N ₆ O ₂
Molecular Weight:	452.51
Target:	Cytochrome P450; HIV; Reverse Transcriptase
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

HIV-1 inhibitor-58 (Compound 10c) is a broad-spectrum antiviral agent. HIV-1 inhibitor-58 is a non-nucleoside reverse transcriptase inhibitor. HIV-1 inhibitor-58 inhibits WT strain IIIB, NNRTI-resistant strains (such as K103N and E138K) in MT-4 cells, with EC₅₀ less than 50 nM. HIV-1 inhibitor-58 also inhibits CYP2C9 and CYP2C19 (IC₅₀: 2.06 μM, 1.91 μM). HIV-1 inhibitor-58 can be used for HIV infection research^[1].

REFERENCES

[1]. Zhao Wang, et al. Escaping from Flatland: Multiparameter Optimization Leads to the Discovery of Novel Tetrahydropyrido[4,3-d]pyrimidine Derivatives as Human Immunodeficiency Virus-1 Non-nucleoside Reverse Transcriptase Inhibitors with Superior Antiviral Activities against Non-nucleoside Reverse Transcriptase Inhibitor-Resistant Variants and Favorable Drug-like Profiles. *J. Med. Chem.* 2023, 66, 13, 8643–8665.

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

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