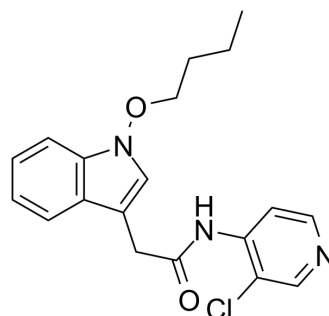


HIV-1 inhibitor-30

Cat. No.:	HY-146365
CAS No.:	2132412-77-0
Molecular Formula:	C ₁₉ H ₂₀ ClN ₃ O ₂
Molecular Weight:	357.83
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-30 (compound 10i) is a potent HIV-1 inhibitor with an EC ₅₀ value of 40 nM and an IC ₅₀ value of 80 nM for HIV-1 RT DNA polymerase. HIV-1 inhibitor-30 has highly antiretroviral activity against seven non-nucleoside reverse transcriptase inhibitor (NNRTI)-resistant HIV-1 strains (RT-K103N; RT-Y181C; RT-K103N,Y181C; RT-L100I,K103N; RT-Y188L; RT-K103N,G190A; RT-K103N,V108I) with IC ₅₀ s of 0.04–1.42 μM. HIV-1 inhibitor-30 can be used for researching AIDS ^[1] .			
IC₅₀ & Target	HIV-1 (WT) 40 nM (EC50)	RT-K103N 0.72 μM (EC50)	RT-Y181C 0.04 μM (EC50)	RT-K103N,Y181C 0.69 μM (EC50)
	RT-L100I,K103N 0.43 μM (EC50)	RT-Y188L 1.42 μM (EC50)	RT-K103N,G190A 0.70 μM (EC50)	RT-K103N,V108I 0.56 μM (EC50)

REFERENCES

[1]. Xu C, et al. Discovery, synthesis, and optimization of an N-alkoxy indolylacetamide against HIV-1 carrying NNRTI-resistant mutations from the *Isatis indigotica* root. *Eur J Med Chem.* 2020 Mar 1;189:112071.

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

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