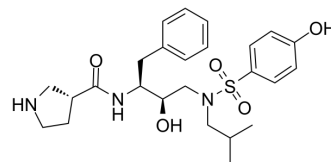


HIV-1 protease-IN-8

Cat. No.:	HY-149936
CAS No.:	2925287-55-2
Molecular Formula:	C ₂₅ H ₃₅ N ₃ O ₅ S
Molecular Weight:	489.63
Target:	HIV Protease
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 protease-IN-8 (compound 34b) is a potent HIV-1 protease inhibitor with an IC ₅₀ value of 0.32 nM. HIV-1 protease-IN-8 displays IC ₅₀ s of 0.29 μM and 1.90 μM for wild-type HIV-1 (HIV-1 _{NL4-3}) and drug-resistant variant (HIV-1 _{MDR}), respectively. HIV-1 protease-IN-8 displays robust antiviral activity against both wild-type HIV-1 and drug-resistant variant ^[1] .		
IC₅₀ & Target	HIV-1 0.32 nM (IC ₅₀)	HIV-1 (NL4-3) 0.29 μM (EC ₅₀)	HIV-1 (MDR) 1.90 μM (EC ₅₀)

REFERENCES

[1]. Huiyu Zhou, et al. Design, synthesis, and biological evaluation of novel HIV-1 protease inhibitors containing pyrrolidine-derived P2 ligands to combat drug-resistant variant. *Eur J Med Chem.* 2023 Jul 5;255:115389.

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

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