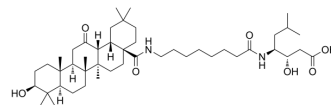


HIV-1 inhibitor-27

Cat. No.:	HY-146339
CAS No.:	2302046-54-2
Molecular Formula:	C ₄₆ H ₇₆ N ₂ O ₇
Molecular Weight:	771.12
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-27 (compound 5) is a potent HIV-1 inhibitor with IC ₅₀ s of 16 μM, 0.5 μM and 0.39 μM for HIV-1 YU2, NL4-3 and 89.6 strain, respectively. HIV-1 inhibitor-27 has low cytotoxicity with a CC ₅₀ of 128 μM in TZM-bl cells. HIV-1 inhibitor-27 can be used for researching AIDS ^[1] .		
IC₅₀ & Target	HIV-1 YU2 16 μM (IC ₅₀)	HIV-1 NL4-3 0.5 μM (IC ₅₀)	HIV-1 89.6 0.39 μM (IC ₅₀)

REFERENCES

[1]. Takeuchi R, et al. Design, synthesis, and bio-evaluation of novel triterpenoid derivatives as anti-HIV-1 compounds. Bioorg Med Chem Lett. 2022;69:128768.

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

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