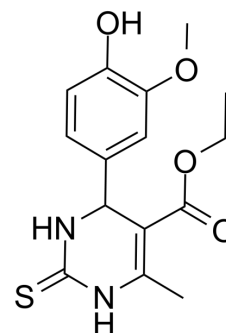


gp120-IN-1

Cat. No.:	HY-144730
CAS No.:	5948-75-4
Molecular Formula:	C ₁₅ H ₁₈ N ₂ O ₄ S
Molecular Weight:	322.38
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	gp120-IN-1 (compound 4e) is a potent HIV-1 gp120 inhibitor with an IC ₅₀ of 2.2 μM and CC ₅₀ of 100.90 μM. gp120-IN-1 shows anti-HIV-1 activity. gp120-IN-1 shows cytotoxicity in a dose dependent manner in SUP-T1 cells. gp120-IN-1 shows inhibition of gp120-mediated virus enter into cells ^[1] .	
IC₅₀ & Target	HIV-1 2.2 μM (IC ₅₀)	HIV-1 100.90 μM (CC ₅₀)

REFERENCES

[1]. Senapathi J, et al. Design, Synthesis, and Antiviral activity of 1,2,3,4-Tetrahydropyrimidine derivatives acting as novel entry inhibitors to target at "Phe43 cavity" of HIV-1 gp120. *Bioorg Med Chem.* 2021 Dec 15;52:116526.

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

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