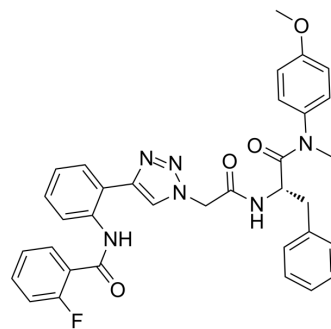


HIV-1 capsid inhibitor 1

Cat. No.:	HY-146204
CAS No.:	2396382-78-6
Molecular Formula:	C ₃₄ H ₃₁ FN ₆ O ₄
Molecular Weight:	606.65
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HIV-1 capsid inhibitor 1 is a potent HIV-1 Capsid inhibitor with an EC ₅₀ value of 3.13 μM. HIV-1 capsid inhibitor 1 shows antiviral activities ^[1] .
IC₅₀ & Target	HIV-1 3.13 μM (EC50)
In Vitro	<p>HIV-1 capsid inhibitor 1 (compound 6a-9) shows anti-HIV activity in TZM-bl cells with an EC₅₀ value of 3.13 μM and an CC₅₀ value of >16.48 μM^[1].</p> <p>HIV-1 capsid inhibitor 1 shows antiviral activities in the early and late event of the HIV-1 NL4-3 lifecycle with IC₅₀s of 8.18, 0.32 μM, respectively^[1].</p> <p>HIV-1 capsid inhibitor 1 shows metabolic stability in human liver microsomes and plasma^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Sun L, et al. Design, synthesis and structure-activity relationships of 4-phenyl-1H-1,2,3-triazole phenylalanine derivatives as novel HIV-1 capsid inhibitors with promising antiviral activities. *Eur J Med Chem.* 2020 Mar 15;190:112085.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA