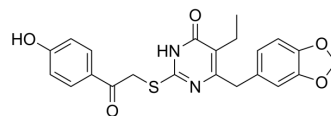


HIV-1 inhibitor-42

Cat. No.:	HY-147903
CAS No.:	2459929-46-3
Molecular Formula:	C ₂₂ H ₂₀ N ₂ O ₅ S
Molecular Weight:	424.47
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-42 (compound 5b) is a potent HIV-1 inhibitor, with an IC ₅₀ of 0.06 μM. HIV-1 inhibitor-42 inhibits HIV-1 RT RNA-dependent DNA polymerase and DNA-dependent DNA polymerase, with IC ₅₀ values of 0.518 and 0.072 μM ^[1] .		
IC₅₀ & Target	HIV-1 0.06 ± 0.0 μM (IC ₅₀)	HIV-1 (Y181C) 15.510 ± 1 μM (IC ₅₀)	HIV-1 (K103N) 53.045 ± 6 μM (IC ₅₀)

REFERENCES

[1]. Yi-MingLi, et al. Design, synthesis and anti-HIV evaluation of 5-alkyl- 6-(benzo[d][1,3]dioxol-5-alkyl)-2-mercaptopyrimidin-4(3H)-ones as potent HIV-1 NNRTIs. September 2020;102:104041.

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