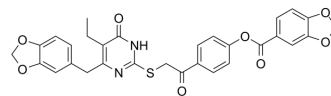


## HIV-IN-5

<b>Cat. No.:</b>	HY-147904
<b>CAS No.:</b>	2459929-62-3
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>24</sub> N <sub>2</sub> O <sub>8</sub> S
<b>Molecular Weight:</b>	572.59
<b>Target:</b>	HIV
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	HIV-IN-5 (compound 5r) is a potent HIV-1 inhibitor, with an IC <sub>50</sub> of 0.16 μM. HIV-IN-5 shows inhibition of HIV DNA-dependent DNA polymerization activity, with an IC <sub>50</sub> of 2.18 μM. HIV-IN-5 can bind to NNIBP (NNRTIs (non-nucleoside reverse transcriptase inhibitors) binding pocket) [1].		
<b>IC<sub>50</sub> &amp; Target</b>	HIV-1 0.16 ± 0.0 μM (IC <sub>50</sub> )	HIV-1 (Y181C) >100 μM (IC <sub>50</sub> )	HIV-1 (K103N) >100 μM (IC <sub>50</sub> )

### 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