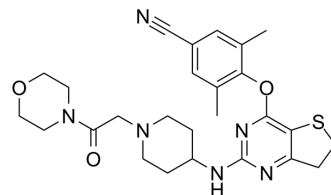


## HIV-1 inhibitor-28

Cat. No.:	HY-146352
CAS No.:	2642218-07-1
Molecular Formula:	C <sub>26</sub> H <sub>32</sub> N <sub>6</sub> O <sub>3</sub> S
Molecular Weight:	508.64
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-28 (compound 14j2) is a highly potent and selective HIV-1 inhibitor with an EC <sub>50</sub> of 58 nM for WT HIV-1 strain and an IC <sub>50</sub> of 3.37 μM for HIV-1 WT reverse transcription (RT). HIV-1 inhibitor-28 exhibits relatively low cytotoxicity in MT-4 cells (CC <sub>50</sub> = 38.6 μM). HIV-1 inhibitor-28 can be used for researching AIDS <sup>[1]</sup> .
IC <sub>50</sub> & Target	HIV-1 (WT) 58 nM (EC50)

### REFERENCES

[1]. Wang Z, Kang D, Feng D, et al. Targeting dual tolerant regions of binding pocket: Discovery of novel morpholine-substituted diarylpyrimidines as potent HIV-1 NNRTIs with significantly improved water solubility. *Eur J Med Chem.* 2020;206:112811.

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

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