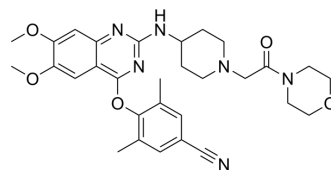


## HIV-1 inhibitor-29

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-146353   |
| CAS No.:           | 2642217-95-4  |
| Molecular Formula: | C <sub>30</sub> H <sub>36</sub> N <sub>6</sub> O <sub>5</sub>                             |
| Molecular Weight:  | 560.64  |
| Target:            | HIV   |
| Pathway:           | Anti-infection  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |   |  |
|-------------------------------------|---|--|
| <b>Description</b>                  | HIV-1 inhibitor-29 (compound 14d2) is a potent HIV-1 inhibitor with an EC <sub>50</sub> of 2.18 μM for HIV-1 IIIB. HIV-1 inhibitor-29 has high anti-resistance profile toward F227L/V106A strain (EC <sub>50</sub> = 0.974 μM), and exhibits low cytotoxicity in MT-4 cells (CC <sub>50</sub> = 211 μM). HIV-1 inhibitor-29 can be used for researching AIDS <sup>[1]</sup> . |  |
| <b>IC<sub>50</sub> &amp; Target</b> | HIV (IIIB)<br>2.18 μM (EC50)  | HIV-1 (F227L/V106A)<br>0.974 μM (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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