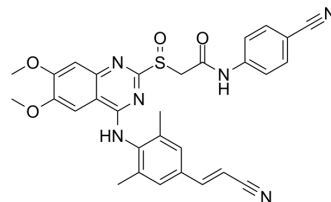


## HIV-1 inhibitor-23

Cat. No.:	HY-146018
CAS No.:	2554622-28-3
Molecular Formula:	C <sub>30</sub> H <sub>26</sub> N <sub>6</sub> O <sub>4</sub> S
Molecular Weight:	566.63
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-23 (compound 12a) is a highly potent HIV-1 non-nucleoside reverse transcriptase inhibitor, with EC <sub>50</sub> s of 24.9 nM and 10.4 nM for HIV-1 WT and HIV-1 K103N, respectively. HIV-1 inhibitor-23 has low cytotoxicity (CC <sub>50</sub> > 221 μM) and a favorable in vitro microsomal stability <sup>[1]</sup> .	
IC <sub>50</sub> & Target	HIV-1 (WT) 24.9 nM (EC <sub>50</sub> )	HIV-1 (K103N) 10.4 nM (EC <sub>50</sub> )

### REFERENCES

[1]. Han S, et al. Fragment hopping-based discovery of novel sulfinylacetamide-diarylpyrimidines (DAPYs) as HIV-1 nonnucleoside reverse transcriptase inhibitors. *Eur J Med Chem.* 2020;185:111874.

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

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