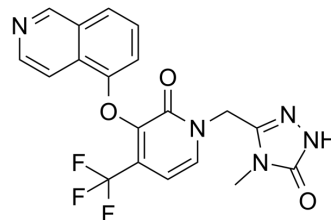


## NNRT-IN-2

Cat. No.:	HY-163110
CAS No.:	2999794-78-2
Molecular Formula:	C <sub>19</sub> H <sub>14</sub> F <sub>3</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	417.34
Target:	HIV; Reverse Transcriptase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	NNRT-IN-2 (compound 7w) is an orally available non-nucleoside reverse transcriptase inhibitor (NNRTI) with broad inhibitory effects on wild-type HIV-1 and mutant strains. NNRT-IN-2 inhibits HIV-1 reverse transcriptase with an EC <sub>50</sub> of 22 nM. NNRT-IN-2 is insensitive to CYP and hERG and has good safety and pharmacokinetic characteristics <sup>[1]</sup> .
IC <sub>50</sub> & Target	EC <sub>50</sub> : 22 nM (HIV Reverse Transcriptase) <sup>[1]</sup>

### REFERENCES

[1]. Zhao LM, et al. Structure-based design of novel heterocycle-substituted ATDP analogs as non-nucleoside reverse transcriptase inhibitors with improved selectivity and solubility. *Acta Pharm Sin B*. 2023 Dec;13(12):4906-4917.

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

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