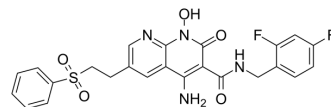


## HIV-1 integrase inhibitor 4

Cat. No.:	HY-108820
CAS No.:	1638504-66-1
Molecular Formula:	C <sub>24</sub> H <sub>20</sub> F <sub>2</sub> N <sub>4</sub> O <sub>5</sub> S
Molecular Weight:	514.5
Target:	HIV Integrase; HIV
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	HIV-1 integrase inhibitor 4 is a HIV-1 integrase strand transfer (INST) inhibitor with an IC <sub>50</sub> of 3.7 nM.
IC <sub>50</sub> & Target	IC <sub>50</sub> : 3.7 nM (INST) <sup>[1]</sup>
In Vitro	HIV-1 integrase inhibitor 4 (compound 4f) is a HIV-1 integrase strand transfer (INST) inhibitor with an IC <sub>50</sub> of 3.7 nM. HIV-1 integrase inhibitor 4 shows potent activity against recombinant HIV IN in biochemical assays and good efficacy in assays done in cell culture against a broad panel of viral mutants carrying the major RAL and DTG IN resistance mutations <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Zhao XZ, et al. HIV-1 Integrase Strand Transfer Inhibitors with Reduced Susceptibility to Drug Resistant MutantIntegrases. ACS Chem Biol. 2016 Apr 15;11(4):1074-81.

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

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