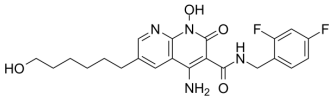
XZ426

Cat. No.:	HY-108818
CAS No.:	1638504-52-5
Molecular Formula:	$C_{22}H_{24}F_2N_4O_4$
Molecular Weight:	446.45
Target:	HIV Integrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (223.99 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2399 mL	11.1995 mL	22.3989 mL
	5 mM	0.4480 mL	2.2399 mL	4.4798 mL
	10 mM	0.2240 mL	1.1199 mL	2.2399 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

XZ426 is a potent integrase strand transfer inhibitor with anti- HIV activity[1].

In Vitro

Intasomes are the target of the latest generation of antiretroviral drugs, integrase (IN) strand transfer inhibitors (INSTI). To better understand how INSTIs interact with HIV intasomes, we assembled the complex with bictegravir (BIC), the leading second-generation INSTI and the most broadly effective of all clinically approved INSTIs. Among these, XZ426 is a lead candidate that has shown superior efficacy to all clinically used and developed compounds against known drug-resistant variants[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dario Oliveira Passos, et al. Structural basis for strand-transfer inhibitor binding to HIV intasomes. Science. 2020 Feb 14;367(6479):810-814.

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

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