
Product Data Sheet

Product Name: XZ426
Cat. No.: GC67697

Chemical Properties

Cas. No. 1638504-52-5

Formula $C_{22}H_{24}F_2N_4O_4$ M.Wt 446.45

Solubility DMSO : 100 mg/mL (223.99 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

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

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].

[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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