

Product Name : PF-46396

Synonyms : PF 46396; PF46396

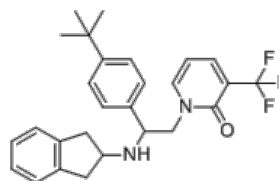
Cat No. : M10767

CAS Number : 1207481-21-7

Molecular Formula : C₂₇H₂₉F₃N₂O

Formula Weight : 454.54

Chemical Name : 1-[2-(4-tert-butylphenyl)-2-(2,3-dihydro-1H-inden-2-ylamino)ethyl]-3-(trifluoromethyl)pyridin-2-one



Description : PF-46396 is a specific small-molecule inhibitor of HIV-1 Gag maturation that interferes specifically with the cleavage of the CA/SP1 (p25) Gag precursor to the mature CA (p24) protein; exhibits antiviral activity against 17/27 HIV-1 clinical isolates with EC₅₀s ranging from 0.005 to 7 uM and TI values ranging from 2 to 3,400.

Pathway : Microbiology/Virology

Target : HIV

Receptor : HIV

Solubility : —

SMILES : O=C1C(C(F)(F)F)=CC=CN1CC(C2=CC=C(C(C)C)C=C2)NC3CC4=C(C=CC=C4)C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Blair WS, et al. Antimicrob Agents Chemother. 2009 Dec;53(12):5080-7. | 2. Murgatroyd C, et al. J Virol. 2016 Aug 26;90(18):8181-97. | 3. Waki K, et al. PLoS Pathog. 2012;8(11):e1002997.