

Product Name : Nelfinavir

Synonyms : AG-1343

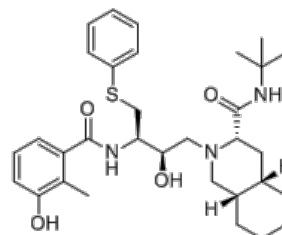
Cat No. : M12295

CAS Number : 159989-64-7

Molecular Formula : C₃₂H₄₅N₃O₄S

Formula Weight : 567.78

Chemical Name : —



Description : A potent and orally bioavailable HIV-1 protease inhibitor with K_i of 2 nM; exhibits an antiviral EC_{50} of 30 nM in HIV-1 strain RF-infected CEM-SS cells; also inhibits the proliferation of NSCLC cells, as well as every cell line in the NCI60 cell line panel with mean GI_{50} of 5.2 μ M, induces endoplasmic reticulum stress, autophagy, and apoptosis in vitro and in vivo. HIV Infection Approved

Pathway : Microbiology/Virology

Target : HIV

Receptor : HIV

Solubility : DMSO : ≥ 25 mg/mL. 44.03 mM

SMILES : CC1=C(C=CC=C1O)C(=O)NC(CSC2=CC=CC=C2)C(CN3CC4CCCCC4CC3C(=O)NC(C)(C)C)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhang KE, et al. Antimicrob Agents Chemother. 2001 Apr;45(4):1086-93. | 2. Shetty BV, et al. Antimicrob Agents Chemother. 1996 Jan;40(1):110-4. | 3. Gills JJ, et al. Clin Cancer Res. 2007 Sep 1;13(17):5183-94.