

Product Name : Nelfinavir mesylate

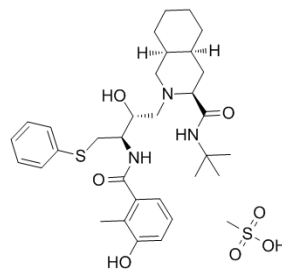
Synonyms : AG-1343 mesylate

Cat No. : M12296

CAS Number : 159989-65-8

Molecular Formula : C₃₃H₄₉N₃O₇S₂

Formula Weight : 663.89



Chemical Name : 3-Isoquinolinecarboxamide, N-(1,1-dimethylethyl)decahydro-2-[(2R,3R)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-(phenylthio)butyl]-, (3S,4aS,8aS)-, methanesulfonate (1:1)

Description : A potent and orally bioavailable HIV-1 protease inhibitor with K_i of 2 nM; exhibits an antiviral EC₅₀ 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 GI₅₀ of 5.2 μM, induces endoplasmic reticulum stress, autophagy, and apoptosis in vitro and in vivo. HIV Infection Approved

Pathway : Microbiology/Virology

Target : HIV

Receptor : HIVprotease

Solubility : 10 mM in DMSO

SMILES : CC1=C(C=CC=C1O)C(=O)N[C@@H](CSC2=CC=CC=C2)[C@@H](CN3C[C@H]4CCCC[C@H]4C[C@H]3C(=O)NC(C)(C)O)CS(=O)(=O)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.