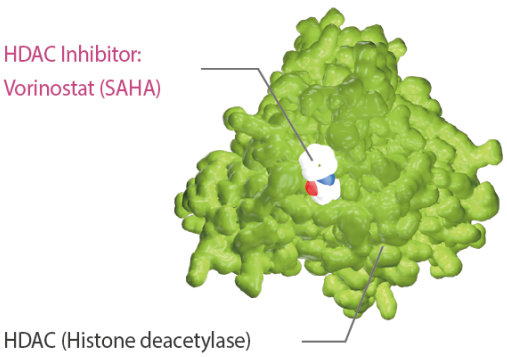
HIV Protease



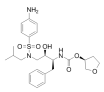
HIV Protease is a retroviral aspartyl protease that is essential for the life-cycle of HIV, the retrovirus that causes AIDS. HIV protease cleaves newly synthesized polyproteins at the appropriate places to create the mature protein components of an infectious HIV virion. Without effective HIV protease, HIV virions remain uninfectious. Thus, mutation of HIV protease's active site or inhibition of its activity disrupts HIV's ability to replicate and infect additional cells, making HIV protease inhibition the subject of considerable pharmaceutical research. Mutations enable HIV to avoid treatments that involve only one drug, so there is growing use of multiple-drug therapies in which both a protease inhibitor AND a reverse transcript inhibitor are combined.

HIV Protease Inhibitors & Modulators

Amprenavir
(VX-478) Cat. No.: HY-17430

Bioactivity: Amprenavir (VX-478) is a HIV protease inhibitor(Ki=0.6 nM) used to treat HIV infection.

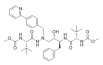
Purity: 99.61%
Clinical Data: Phase 4
Size: 10mM x 1mL in DMSO, 5 mg, 25 mg, 50 mg



Atazanavir
(BMS-232632) Cat. No.: HY-17367

Bioactivity: Atazanavir(BMS-232632) is an highly potent HIV-1 protease inhibitor.

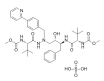
Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg



Atazanavir sulfate
(BMS-232632 sulfate) Cat. No.: HY-17367A

Bioactivity: Atazanavir sulfate is a sulfate salt form of atazanavir that is an highly potent HIV-1 protease inhibitor. Target: HIV-1 protease inhibitor Atazanavir sulfate is a sulfate salt form of atazanavir that is an highly potent HIV-1 protease inhibitor. It has a pharmacokinetic profile that supports...

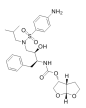
Purity: 99.64%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Darunavir
(TMC114) Cat. No.: HY-17040

Bioactivity: Darunavir(TMC114) is an HIV protease inhibitor. IC50 Value: Target: HIV Protease Darunavir HIV-1 antiviral structurally is similar to amprenavir and it is second generation HIV-1-protease inhibitor. Darunavir is a drug used to treat HIV infection. It is in the protease inhibitor class. Prezista...

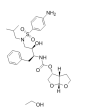
Purity: 99.39%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg



Darunavir Ethanolate
(TMC114) Cat. No.: HY-17041

Bioactivity: Darunavir ethanolate (TMC114 ethanolate) is a potent **HIV** protease inhibitor used to treat and prevent HIV/AIDS. Darunavir has a $\mathbf{K_i}$ of 1 nM for wild type HIV-1 protease.

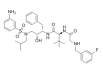
Purity: 99.73%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg



DPC-681
(DPH-153893) Cat. No.: HY-19400

Bioactivity: DPC-681 is a potent and selective inhibitor of HIV protease with IC90s for wild-type HIV-1 of 4 to 40 nM.

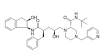
Purity: 99.72%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg



Indinavir
(MK-639; L-735524) Cat. No.: HY-B0689

Bioactivity: Indinavir(MK-639; L735524) is a potent and specific HIV protease inhibitor that appears to have good oral bioavailability. Target: HIV Protease Indinavir(MK-639) is a protease inhibitor used as a component of highly active antiretroviral therapy (HAART) to treat HIV infection and...

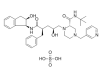
Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg



Indinavir sulfate
(MK-639 sulfate; L735524 sulfate) Cat. No.: HY-B0689A

Bioactivity: Indinavir sulfate(MK-639 sulfate; L735524 sulfate) is a potent and specific HIV protease inhibitor that appears to have good oral bioavailability. Target: HIV Protease Indinavir(MK-639) is a protease inhibitor used as a component of highly active antiretroviral therapy (HAART) to treat HIV...

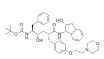
Purity: 99.50%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg



L-689502
Cat. No.: HY-U00261

Bioactivity: L-689502 is a potent inhibitor of **HIV-I protease** with an $\mathbf{IC_{50}}$ of 1 nM.

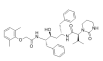
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg



Lopinavir
(ABT-378) Cat. No.: HY-14588

Bioactivity: Lopinavir is a potent HIV protease inhibitor with Ki of 1.3 pM.

Purity: 99.58%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 250 mg

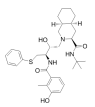


Nelfinavir

(AG1341) Cat. No.: HY-15287

Bioactivity: Nelfinavir(AG-1341) is a potent and orally bioavailable human immunodeficiency virus HIV-1 protease inhibitor (Ki=2 nM) and is widely prescribed in combination with HIV reverse transcriptase inhibitors for the treatment of HIV infection. IC50 Valur: 2 nM (Ki for HIV-1 protease) [2] Target: HIV...

Purity: 98.16%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

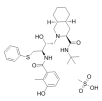


Nelfinavir Mesylate

(AG 1343 Mesylate) Cat. No.: HY-15287A

Bioactivity: Nelfinavir(AG-1341) is a potent and orally bioavailable human immunodeficiency virus HIV-1 protease inhibitor (Ki=2 nM) and is widely prescribed in combination with HIV reverse transcriptase inhibitors for the treatment of HIV infection.

Purity: 98.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg

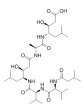


Pepstatin

(Pepstatin A) Cat. No.: HY-P0018

Bioactivity: Pepstatin is a specific **aspartic protease** inhibitor produced by actinomycetes, with **IC_{50}**s of 4.5 nM, 6.2 nM, 150 nM, 290 nM, 520 nM and 260 nM for hemoglobin-pepsin, hemoglobin-proctase, casein-pepsin, casein-proctase, casein-acid protease and hemoglobin-acid protease,...

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10 mg, 50 mg

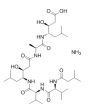


Pepstatin Ammonium

(Pepstatin A Ammonium) Cat. No.: HY-P0018B

Bioactivity: Pepstatin Ammonium is a specific **aspartic protease** inhibitor produced by actinomycetes, with **IC_{50}**s of 4.5 nM, 6.2 nM, 150 nM, 290 nM, 520 nM and 260 nM for hemoglobin-pepsin, hemoglobin-proctase, casein-pepsin, casein-proctase, casein-acid protease and hemoglobin-acid protease,...

Purity: 99.35%
Clinical Data: No Development Reported
Size: 10 mg, 25 mg, 50 mg

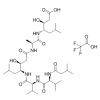


Pepstatin Trifluoroacetate

(Pepstatin A Trifluoroacetate) Cat. No.: HY-P0018A

Bioactivity: Pepstatin Trifluoroacetate is a specific **aspartic protease** inhibitor produced by actinomycetes, with **IC_{50}**s of 4.5 nM, 6.2 nM, 150 nM, 290 nM, 520 nM and 260 nM for hemoglobin-pepsin, hemoglobin-proctase, casein-pepsin, casein-proctase, casein-acid protease and hemoglobin-acid protease,...

Purity: 99.11%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

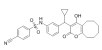


PNU-103017

Cat. No.: HY-19236

Bioactivity: PNU-103017 is an **HIV protease** inhibitor.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

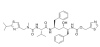


Ritonavir

(ABT 538; RTV) Cat. No.: HY-90001

Bioactivity: Ritonavir (ABT 538) is an inhibitor of **HIV protease** used to treat HIV infection and AIDS.

Purity: 99.68%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 500 mg

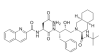


Saquinavir

(Ro 31-8959) Cat. No.: HY-17007

Bioactivity: Saquinavir(Ro 31-8959) is an HIV Protease inhibitor used in antiretroviral therapy.

Purity: 99.91%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

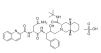


Saquinavir Mesylate

(Ro 31-8959/003) Cat. No.: HY-17003

Bioactivity: Saquinavir mesylate is an HIV Protease Inhibitor used in antiretroviral therapy. IC50 Value: Target: HIV Protease Saquinavir is a protease inhibitor. Proteases are enzymes that cleave protein molecules into smaller fragments. HIV protease is vital for both viral replication within the cell and...

Purity: 99.79%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Tipranavir

(PNU-140690) Cat. No.: HY-15148

Bioactivity: Tipranavir (PNU-140690) inhibits the enzymatic activity and dimerization of **HIV-1 protease**, exerts potent activity against multi-protease inhibitor (PI)-resistant HIV-1 isolates with **IC_{50}**s of 66-410 nM.

Purity: 99.13%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg