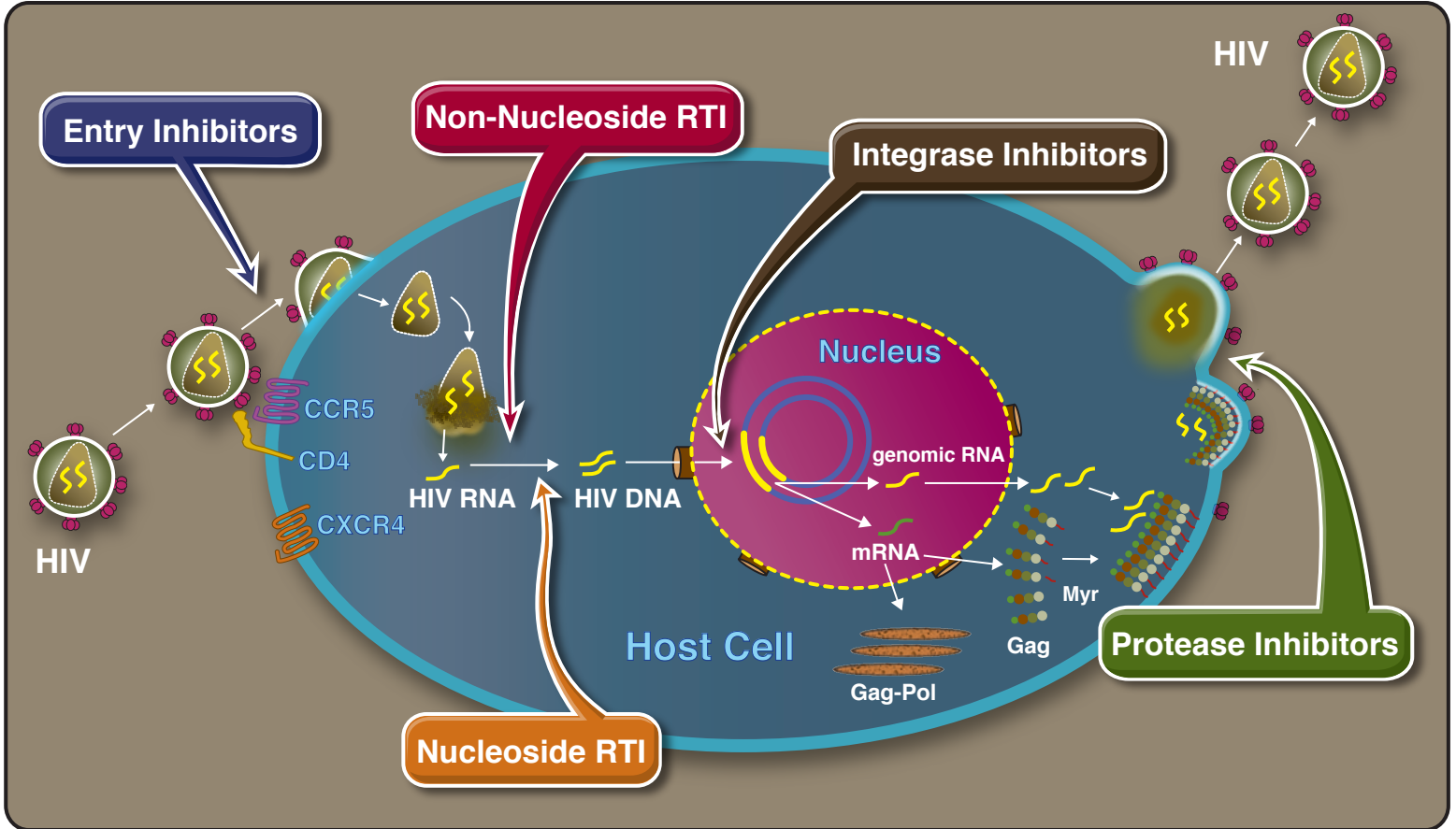


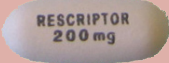







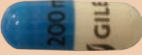





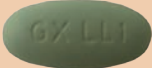

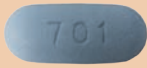




Produced by: Bradley Kosel, PharmD
Robert Loeffelbein, PharmD
David Spach, MD








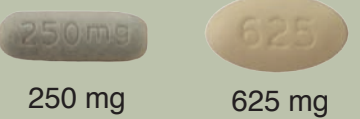



For specific and detailed information regarding dosing recommendations, drug-drug interactions and adverse effects, see the guidelines for the Use of Antiretroviral Agents in HIV-1-Infected Adults and Adolescents at <http://aidsinfo.nih.gov>

Drug Name	Pill	Dose	Adverse Effects
Entry Inhibitors			
Enfuvirtide (ENV) Fuzeon®	 90 mg/ml	Administered dose: 90 mg/mL subcutaneously (SQ) 2 times a day (108 mg vial diluted with 1.1 mL sterile water) • Store at controlled room temperature	Injection site reaction: pain/discomfort, induration, erythema, nodule Other: diarrhea, nausea, vomiting Fatigue, Insomnia
Maraviroc (MVC) Selzentry®	 150 mg 300 mg	1 x 300 mg tablet 2 times a day (With NRTIs, tipranavir/ritonavir, nevirapine, and weak CYP3A inhibitors or CYP3A inducers) 1 x 150 mg tablet 2 times a day (When given with strong CYP3A inhibitors with or without CYP3A inducers) 2 x 300 mg tablet 2 times a day (With CYP3A inducers including efa-	Liver toxicity, cough, fever, upper respiratory infection, rash, musculoskeletal symptoms, stomach pain, dizziness Other: Use with caution in those with liver disease or at risk for cardiovascular events
Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTI)			
Delavirdine (DLV) Rescriptor®	 200 mg	2 x 200 mg tablets 3 times a day • May be taken with or without food	Rash, headache, altered liver function
Efavirenz (EFV) Sustiva®	 200 mg 600 mg	1 x 600 mg tablet once daily at bedtime 3 x 200 mg capsules once daily at bedtime • Empty stomach recommended	Rash, altered liver function, dizziness, insomnia, impaired concentration, drowsiness
Etravirine (ETR) Intelence®	 100 mg	2 x 100 mg tablet 2 times a day • Take with food	Nausea, headache, rash, Stevens-Johnson syndrome, hypersensitivity reaction, erythema
Nevirapine (NVP) Viramune®	 200 mg	1 x 200 mg tablet 2 times a day (start with 200 mg tablet once daily x 14 days) • May be taken with or without food	Rash, headache, altered liver function

Drug Name	Pill	Dose	Adverse Effects
Nucleos(t)ide Reverse Transcriptase Inhibitors (NRTI)			
Abacavir (ABC) Ziagen®	 300 mg	1 x 300 mg tablet 2 times a day 2 x 300 mg tablets once daily • May be taken with or without food	Hypersensitivity reaction symptoms may include: fever, rash, nausea, vomiting, malaise or fatigue, respiratory difficulties
Didanosine (ddI) Videx®	 250 mg 400 mg	1 x 400 mg capsule once daily • Reduce dose for weight < 60 Kg • Take on an <u>empty stomach</u> Note: When combined with tenofovir, reduce didanosine to 250 mg once daily, may be taken with food.	Peripheral neuropathy, pancreatitis, nausea, diarrhea
Emtricitabine (FTC) Emtriva®	 200 mg	1 x 200 mg capsule once daily • May be taken with or without food	Headaches, fatigue, nausea
Lamivudine (3TC) EpiVir®	 150 mg 300 mg	1 x 150 mg tablet 2 times a day 1 x 300 mg tablet once daily • May be taken with or without food	Headaches, fatigue, nausea
Stavudine (d4T) Zerit®	 30 mg 40 mg	1 x 40 mg capsule 2 times a day • Reduce dose for weight < 60 Kg 1 x 30 mg capsule 2 times a day • May be taken with or without food	Peripheral neuropathy, altered liver function
Tenofovir DF (TDF) Viread®	 300 mg	1 x 300 mg tablet once daily • May be taken with or without food	Renal insufficiency (rare), nausea, upset stomach
Zidovudine (ZDV, AZT) Retrovir®	 100 mg 300 mg	1 x 300 mg tablet 2 times a day • May be taken with or without food	Anemia, neutropenia, headaches, nausea, body aches, insomnia
Combination NRTIs			
Abacavir + Lamivudine Epzicom®	 ABC 600 mg/3TC 300 mg	1 tablet once daily • May be taken with or without food	Hypersensitivity reaction (as above), headaches, fatigue, nausea DO NOT RECHALLENGE!
Abacavir + Lamivudine + Zidovudine Trizivir®	 ABC 300 mg/3TC 150 mg/ AZT 300 mg	1 tablet 2 times a day • May be taken with or without food	Hypersensitivity reaction (as above), refer to adverse effects listed for individual agents DO NOT RECHALLENGE!
Zidovudine + Lamivudine Combivir®	 AZT 300 mg/3TC 150 mg	1 tablet 2 times a day • May be taken with or without food	Refer to adverse effects listed for individual agents
Tenofovir + Emtricitabine Truvada®	 TDF 300 mg/FTC 200 mg	1 tablet once daily • May be taken with or without food	Refer to adverse effects listed for individual agents
Combination NRTIs + NNRTI			
Tenofovir + Emtricitabine + Efavirenz Atripla®	 TDF 300 mg/FTC 200 mg/ EFV 600 mg	1 tablet once daily at bedtime • Empty stomach recommended	Refer to adverse effects listed for individual agents
Integrase Inhibitors			
Raltegravir (RAL) Isentress®	 400 mg	1 tablet 2 times a day • May be taken with or without food	Nausea, headache, fever, diarrhea Unclear if related: myopathy or rhabdomyolysis

Class Adverse Reactions: lactic acidosis with hepatic steatosis (rare, but potentially life threatening reaction with use of NRTIs)

This program is funded by The Health Resources and Services Administration, US Department of Health and Human Services

Drug Name	Pill	Dose	Adverse Effects
Protease Inhibitors (PI)			
Atazanavir (ATV) Reyataz®	 150 mg 200 mg 300 mg	2 x 200 mg capsules once daily 1 x 300 mg capsule with ritonavir 100 mg capsule once daily. Note: Use ritonavir boosted dose when combined with efavirenz, nevirapine, or tenofovir • Take with <u>light meal</u> • Consult Reyataz prescribing information for use with antacids, H2-blockers and proton pump inhibitors.	Diarrhea, nausea, rash, abdominal discomfort, increased bilirubin (jaundice)
Darunavir (DRV) Prezista®	 400 mg 600 mg	Always use with ritonavir 1 x 600 mg tablet 2 times a day with ritonavir 1 x 100 mg capsule 2 times a day 2 x 400 mg tablet once a day with ritonavir 1 x 100 mg capsule once a day • Take <u>with food</u>	Diarrhea, nausea, headache, rash ¹
Fosamprenavir (FPV) Lexiva®	 700 mg	PI-naïve patients: 2 x 700 mg tablets 2 times a day 2 x 700 mg tablets once daily with 1 or 2 x 100 mg ritonavir capsules once daily Note: Use ritonavir boosted dose when combined with efavirenz or nevirapine, use ritonavir 300 mg once daily when combined with NNRTIs. 1 x 700 mg tablet 2 times a day with ritonavir 1 x 100 mg capsule 2 times a day PI-experienced patients: 1 x 700 mg tablet 2 times a day with 1 x 100 mg ritonavir capsule 2 times a day • May be taken with or without food	Diarrhea, nausea, headache, rash ¹
Indinavir (IDV) Crixivan®	 400 mg	2 x 400 mg capsules 2 times a day with ritonavir 100-200 mg capsule(s) 2 times a day • Take <u>with food</u> • Drink at least 1.5 liters of fluid per day	Nausea, vomiting, kidney stones, heartburn, increased bilirubin (jaundice)
Lopinavir/ Ritonavir (LPV/r) Kaletra®	 LPV 200 mg/RTV 50 mg	PI-naïve patients: 2 tablets 2 times a day 4 tablets once daily PI-experienced patients: 2 tablets 2 times a day Once daily not recommended Note: Use 3 tablets 2 times a day when used with nevirapine or efavirenz	Diarrhea, nausea, asthenia (lack of strength), headache
Nelfinavir (NFV) Viracept®	 250 mg 625 mg	2 x 625 mg tablets 2 times a day 5 x 250 mg tablets 2 times a day 3 x 250 mg tablets 3 times a day • Always take <u>with food</u>	Diarrhea, nausea, vomiting, abdominal pain
Ritonavir (RTV) Norvir®	 100 mg	Ritonavir is primarily used in low doses to boost drug levels of other protease inhibitors • Keep refrigerated	Diarrhea, nausea, headache
Saquinavir (SQV) Invirase®	 200 mg 500 mg	Always take at same time with ritonavir 2 x 500 mg tablets 2 times a day with ritonavir 100 mg capsule 2 times a day 5 x 200 mg capsules 2 times a day with ritonavir 100 mg capsule 2 times a day • Always take <u>with food</u>	Diarrhea, nausea, headache
Tipranavir (TPV) Aptivus®	 250 mg	Always use with ritonavir PI-experienced patients: 2 x 250 mg capsules 2 times a day with ritonavir 2 x 100 mg capsules 2 times a day • Take <u>with food</u>	Diarrhea, nausea, vomiting, stomach cramps, rash ¹ , intracranial hemorrhage ²

Class Adverse Reactions: hepatotoxicity, insulin resistance/diabetes mellitus, fat maldistribution, osteonecrosis, hyperlipidemia

¹ Caution in patients with known sulfonamide allergy

² Increased bleeding episodes in hemophiliac patients