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HIV Overview

FDA-Approved HIV Medicines

Last Reviewed: January 30, 2020

Treatment with HIV medicines is called [antiretroviral therapy \(ART\)](#). ART is recommended for everyone with HIV, and people with HIV should start ART as soon as possible. People on ART take a combination of HIV medicines (called an [HIV treatment regimen](#)) every day. A person's initial HIV regimen generally includes three HIV medicines from at least two different HIV [drug classes](#).

The following table lists HIV medicines recommended for the treatment of HIV infection in the United States based on the [U.S. Department of Health and Human Services \(HHS\) HIV/AIDS medical practice guidelines](#). All of these drugs are approved by the [U.S. Food and Drug Administration \(FDA\)](#). The HIV medicines are listed according to drug class and identified by generic and brand names. Click on a drug name to view information on the drug from the [AIDSinfo Drug Database](#). Or download the [AIDSinfo Drug Database app](#) to view the information on your Apple or Android devices.

To see a timeline of all FDA approval dates for HIV medicines, view the AIDSinfo [FDA Approval of HIV Medicines](#) infographic.

FDA-Approved HIV Medicines

Drug Class	Generic Name (Other names and acronyms)	Brand Name	FDA Approval Date
Nucleoside Reverse Transcriptase Inhibitors (NRTIs)			

Drug Class	Generic Name (Other names and acronyms)	Brand Name	FDA Approval Date
NRTIs block reverse transcriptase , an enzyme HIV needs to make copies of itself.	abacavir (abacavir sulfate, ABC)	Ziagen	December 17, 1998
	emtricitabine (FTC)	Emtriva	July 2, 2003
	lamivudine (3TC)	Epivir	November 17, 1995
	tenofovir disoproxil fumarate (tenofovir DF, TDF)	Viread	October 26, 2001
	zidovudine (azidothymidine, AZT, ZDV)	Retrovir	March 19, 1987
Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTIs)			
NNRTIs bind to and later alter reverse transcriptase, an enzyme HIV needs to make copies of itself.	doravirine (DOR)	Pifeltro	August 30, 2018
	efavirenz (EFV)	Sustiva	September 17, 1998
	etravirine (ETR)	Intelence	January 18, 2008
	nevirapine (extended-release nevirapine, NVP)	Viramune	June 21, 1996
		Viramune XR (extended release)	March 25, 2011
rilpivirine (rilpivirine hydrochloride, RPV)	Edurant	May 20, 2011	
Protease Inhibitors (PIs)			
PIs block HIV protease , an enzyme HIV needs to make copies of itself.	atazanavir (atazanavir sulfate, ATV)	Reyataz	June 20, 2003
	darunavir (darunavir ethanolate, DRV)	Prezista	June 23, 2006
	fosamprenavir (fosamprenavir calcium, FOS-APV, FPV)	Lexiva	October 20, 2003

Drug Class	Generic Name (Other names and acronyms)	Brand Name	FDA Approval Date
	ritonavir (RTV) *Although ritonavir is a PI, it is generally used as a pharmacokinetic enhancer as recommended in the Guidelines for the Use of Antiretroviral Agents in Adults and Adolescents with HIV and the Guidelines for the Use of Antiretroviral Agents in Pediatric HIV Infection .	Norvir	March 1, 1996
	saquinavir (saquinavir mesylate, SQV)	Invirase	December 6, 1995
	tipranavir (TPV)	Aptivus	June 22, 2005
Fusion Inhibitors			
Fusion inhibitors block HIV from entering the CD4 cells of the immune system .	enfuvirtide (T-20)	Fuzeon	March 13, 2003
CCR5 Antagonists			
CCR5 antagonists block CCR5 coreceptors on the surface of certain immune cells that HIV needs to enter the cells.	maraviroc (MVC)	Selzentry	August 6, 2007
Integrase Inhibitors			
Integrase inhibitors block HIV integrase, an enzyme HIV needs to make copies of itself.	dolutegravir (DTG, dolutegravir sodium)	Tivicay	August 13, 2013
	raltegravir (raltegravir potassium, RAL)	Isentress	October 12, 2007
		Isentress HD	May 26, 2017
Post-Attachment Inhibitors			

Drug Class	Generic Name (Other names and acronyms)	Brand Name	FDA Approval Date
Post-attachment inhibitors block CD4 receptors on the surface of certain immune cells that HIV needs to enter the cells.	ibalizumab-uiyk (Hu5A8, IBA, Ibalizumab, TMB-355, TNX-355)	Trogarzo	March 6, 2018
Pharmacokinetic Enhancers			
Pharmacokinetic enhancers are used in HIV treatment to increase the effectiveness of an HIV medicine included in an HIV regimen.	cobicistat (COBI, c)	Tybost	September 24, 2014
Combination HIV Medicines			
Combination HIV medicines contain two or more HIV medicines from one or more drug classes.	abacavir and lamivudine (abacavir sulfate / lamivudine, ABC / 3TC)	Epzicom	August 2, 2004
	abacavir, dolutegravir, and lamivudine (abacavir sulfate / dolutegravir sodium / lamivudine, ABC / DTG / 3TC)	Triumeq	August 22, 2014
	abacavir, lamivudine, and zidovudine (abacavir sulfate / lamivudine / zidovudine, ABC / 3TC / ZDV)	Trizivir	November 14, 2000
	atazanavir and cobicistat (atazanavir sulfate / cobicistat, ATV / COBI)	Evotaz	January 29, 2015
	bictegravir, emtricitabine, and tenofovir alafenamide (bictegravir sodium / emtricitabine / tenofovir alafenamide fumarate, BIC / FTC / TAF)	Biktarvy	February 7, 2018
	darunavir and cobicistat (darunavir ethanolate / cobicistat, DRV / COBI)	Prezcobix	January 29, 2015

Drug Class	Generic Name (Other names and acronyms)	Brand Name	FDA Approval Date
	darunavir, cobicistat, emtricitabine, and tenofovir alafenamide (darunavir ethanolate / cobicistat / emtricitabine / tenofovir AF, darunavir ethanolate / cobicistat / emtricitabine / tenofovir alafenamide, darunavir / cobicistat / emtricitabine / tenofovir AF, darunavir / cobicistat / emtricitabine / tenofovir alafenamide fumarate, DRV / COBI / FTC / TAF)	Symtuza	July 17, 2018
	dolutegravir and lamivudine (dolutegravir sodium / lamivudine, DTG / 3TC)	Dovato	April 8, 2019
	dolutegravir and rilpivirine (dolutegravir sodium / rilpivirine hydrochloride, DTG / RPV)	Juluca	November 21, 2017
	doravirine, lamivudine, and tenofovir disoproxil fumarate (doravirine / lamivudine / TDF, doravirine / lamivudine / tenofovir DF, DOR / 3TC / TDF)	Delstrigo	August 30, 2018
	efavirenz, emtricitabine, and tenofovir disoproxil fumarate (efavirenz / emtricitabine / tenofovir DF, EFV / FTC / TDF)	Atripla	July 12, 2006
	efavirenz, lamivudine, and tenofovir disoproxil fumarate (EFV / 3TC / TDF)	Symfi	March 22, 2018
	efavirenz, lamivudine, and tenofovir disoproxil fumarate (EFV / 3TC / TDF)	Symfi Lo	February 5, 2018
	elvitegravir, cobicistat, emtricitabine, and tenofovir alafenamide (elvitegravir / cobicistat / emtricitabine / tenofovir alafenamide fumarate, EVG / COBI / FTC / TAF)	Genvoya	November 5, 2015

Drug Class	Generic Name (Other names and acronyms)	Brand Name	FDA Approval Date
	elvitegravir, cobicistat, emtricitabine, and tenofovir disoproxil fumarate (QUAD, EVG / COBI / FTC / TDF)	Stribild	August 27, 2012
	emtricitabine, rilpivirine, and tenofovir alafenamide (emtricitabine / rilpivirine / tenofovir AF, emtricitabine / rilpivirine / tenofovir alafenamide fumarate, emtricitabine / rilpivirine hydrochloride / tenofovir AF, emtricitabine / rilpivirine hydrochloride / tenofovir alafenamide, emtricitabine / rilpivirine hydrochloride / tenofovir alafenamide fumarate, FTC / RPV / TAF)	Odefsey	March 1, 2016
	emtricitabine, rilpivirine, and tenofovir disoproxil fumarate (emtricitabine / rilpivirine hydrochloride / tenofovir disoproxil fumarate, emtricitabine / rilpivirine / tenofovir, FTC / RPV / TDF)	Complera	August 10, 2011
	emtricitabine and tenofovir alafenamide (emtricitabine / tenofovir AF, emtricitabine / tenofovir alafenamide fumarate, FTC / TAF)	Descovy	April 4, 2016
	emtricitabine and tenofovir disoproxil fumarate (emtricitabine / tenofovir DF, FTC / TDF)	Truvada	August 2, 2004
	lamivudine and tenofovir disoproxil fumarate (Temixys, 3TC / TDF)	Cimduo	February 28, 2018
	lamivudine and zidovudine (3TC / ZDV)	Combivir	September 27, 1997
	lopinavir and ritonavir (ritonavir-boosted lopinavir, LPV/r, LPV / RTV)	Kaletra	September 15, 2000

This fact sheet is based on information from the following sources:

- From FDA: [HIV and AIDS: Medicines to Help You](#)
- From the National Institute of Allergy and Infectious Diseases: [Drugs That Fight HIV-1](#)
- From the National Library of Medicine: Drug information from the [DailyMed website](#)

