Interactions Between Key Antiretroviral Drugs

Charts reviewed October 2023. Full information available at www.hiv-druginteractions.org

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		Protease Inhibitors								NNRTIs								NRTIs						Integrase Inhibitors										Entry, Attachment & Capsid Inhibitors				
		ATV Alone	ATV/cobi	ATV + r	DRV/cobi	DRV/c/FTC/TAF	DRV + r	LPV	RTV	DOR	DOR/3TC/TDF	DPV (VR)	EFV	ETR	NVP	RPV	RPV/FTC/TAF	RPV/FTC/TDF	ABC	FTC	FTC/TAF	FTC/TDF	3TC	ZDV	BIC/FTC/TAF	CAB PrEP (LA)	CAB/RPV (LA)	DTG	DTG/ABC/3TC	DTG/3TC	DTG/RPV	EVG/c/FTC/TAF	EVG/c/FTC/TDF	RAL	Enfuvirtide	Fostemsavir	Ibalizumab	Lenacapavir	Maraviroc
Protease Inhibitors	Atazanavir alone		●	●	●	●	◆	■	■	△	●	◆	●	●	●	△	■	●	◆	◆	■	●	◆	◆	●	◆	■	△	△	△	■	△	△	△	◆	△	◆	●	■
	Atazanavir/cobicistat	●		●	●	●	●	●	●	△	■	◆	●	●	●	△	■	■	◆	◆	■	■	◆	◆	●	◆	■	△	△	△	■	●	●	△	◆	△	◆	●	■
	Atazanavir + ritonavir	●	●		●	●	●	■	●	△	■	◆	●	◆	●	△	■	■	◆	◆	■	■	◆	◆	●	◆	■	△	△	△	■	●	●	△	◆	△	◆	●	■
	Darunavir/cobicistat	●	●	●		●	●	●	●	△	■	◆	●	●	●	◆	■	■	◆	◆	■	■	◆	◆	■	◆	△	◆	△	△	△	●	●	△	◆	△	◆	△	■
	Darunavir/cobi/FTC/TAF	●	●	●	●	F	●	●	●	△	●	◆	●	●	●	■	●	●	△	●	●	●	●	△	●	◆	△	△	●	●	△	●	●	△	△	△	△	△	■
	Darunavir + ritonavir	◆	●	●	●	●	O	●	■	△	■	◆	■	◆	◆	◆	■	■	◆	◆	■	■	◆	◆	■	◆	△	◆	△	△	△	●	●	◆	◆	△	◆	△	■
	Lopinavir	■	●	■	●	●	●	R	■	△	■	◆	■	◆	■	△	■	■	△	◆	■	■	◆	◆	■	◆	■	◆	△	△	■	●	●	◆	◆	△	◆	△	■
	Ritonavir	■	●	●	●	●	■	■		△	■	◆	■	■	◆	◆	■	■	◆	◆	■	■	◆	◆	■	◆	△	◆	△	△	△	●	●	◆	◆	△	◆	△	■
NNRTIs	Doravirine	△	△	△	△	△	△	△	△		■	◆	●	●	●	●	●	●	◆	◆	◆	◆	◆	◆	△	◆	●	◆	△	△	●	△	△	◆	◆	◆	◆	△	◆
	Doravirine/3TC/TDF	●	■	■	■	●	■	■	■	■		◆	●	●	●	●	●	●	△	●	●	●	●	△	●	◆	●	△	●	●	●	●	●	△	△	△	△	△	△
	Dapivirine (vaginal ring)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	Efavirenz	●	●	●	●	●	■	■	■	●	●	◆		●	●	●	●	●	◆	◆	◆	◆	◆	◆	●	■	●	■	■	■	●	●	●	◆	◆	△	◆	●	■
	Etravirine	●	●	◆	●	●	◆	◆	■	●	●	◆	●		●	●	●	●	◆	◆	◆	◆	◆	◆	●	◆	●	■	■	■	●	●	●	△	◆	△	◆	●	■
	Nevirapine	●	●	●	●	●	◆	■	◆	●	●	◆	●	●	P	●	●	●	◆	◆	◆	◆	◆	◆	●	◆	●	■	■	■	●	●	●	◆	◆	△	◆	●	◆
	Rilpivirine	△	△	△	◆	■	◆	△	◆	●	●	◆	●	●	●	E	●	■	◆	◆	◆	◆	◆	◆	■	◆	■	◆	△	△	●	△	△	◆	◆	△	◆	△	◆
	Rilpivirine/FTC/TAF	■	■	■	■	●	■	■	■	●	●	◆	●	●	●	●	R	●	△	●	●	●	●	△	●	◆	●	△	●	●	●	●	●	△	△	△	△	△	△
	Rilpivirine/FTC/TDF	●	■	■	■	●	■	■	■	●	●	◆	●	●	●	●	■	S	△	●	●	●	●	△	●	◆	●	△	●	●	●	●	●	△	△	△	△	△	△
NRTIs	Abacavir (ABC)	◆	◆	◆	◆	△	◆	△	◆	◆	△	◆	◆	◆	◆	◆	△	●	O	◆	◆	△	◆	◆	△	◆	△	◆	●	△	△	△	△	◆	◆	◆	◆	◆	◆
	Emtricitabine (FTC)	◆	◆	◆	◆	●	◆	◆	◆	◆	●	◆	◆	◆	◆	◆	●	●	◆	N	●	●	●	◆	●	◆	△	◆	●	●	△	●	●	◆	◆	◆	◆	◆	◆
	Emtricitabine/TAF	■	■	■	■	●	■	■	■	◆	●	◆	◆	◆	◆	◆	●	●	◆	●	A	●	●	◆	●	◆	△	◆	●	●	△	●	●	◆	◆	◆	◆	△	◆
	Emtricitabine/TDF	●	■	■	■	●	■	■	■	◆	●	◆	◆	◆	◆	◆	●	●	△	●	●	L	●	◆	●	◆	△	◆	●	●	△	●	●	◆	◆	◆	◆	△	◆
	Lamivudine (3TC)	◆	◆	◆	◆	●	◆	◆	◆	◆	●	◆	◆	◆	◆	◆	●	●	◆	●	●	●		◆	●	◆	△	◆	●	●	△	●	●	◆	◆	◆	◆	◆	◆
	Zidovudine (AZT/ZDV)	◆	◆	◆	◆	△	◆	◆	◆	◆	△	◆	◆	◆	◆	◆	△	△	◆	◆	◆	◆	◆		△	◆	△	◆	△	△	△	△	△	◆	◆	◆	◆	◆	◆
Integrase Inhibitors	Bictegravir/F/TAF	●	●	●	■	●	■	■	■	△	●	◆	●	●	●	■	●	●	△	●	●	●	●	△		◆	●	●	●	●	●	●	●	●	△	△	△	△	△
	Cabotegravir PrEP	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	■	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		●	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	Cabotegravir/Rilpivirine	■	■	■	△	△	△	■	△	●	●	◆	●	●	●	■	●	●	△	△	△	△	△	△	●	●	U	●	●	●	●	●	●	●	△	△	△	△	△
	Dolutegravir	△	△	△	◆	△	◆	◆	◆	◆	△	◆	■	■	■	◆	△	△	◆	◆	◆	◆	◆	◆	●	◆	●	S	■	■	■	●	●	◆	◆	◆	◆	◆	◆
	Dolutegravir/ABC/3TC	△	△	△	△	●	△	△	△	△	●	◆	■	■	■	△	●	●	●	●	●	●	●	△	●	◆	●	■	E	●	●	●	●	●	△	△	△	◆	△
	Dolutegravir/3TC	△	△	△	△	●	△	△	△	△	●	◆	■	■	■	△	●	●	△	●	●	●	●	△	●	◆	●	■	●		●	●	●	●	△	△	△	◆	△
	Dolutegravir/Rilpivirine	■	■	■	△	△	△	■	△	●	●	◆	●	●	●	●	●	●	△	△	△	△	△	△	●	◆	●	■	●	●		●	●	●	△	△	△	△	△
	Elvitegravir/Cobi/FTC/TAF	△	●	●	●	●	●	●	●	△	●	◆	●	●	●	△	●	●	△	●	●	●	●	△	●	◆	●	●	●	●	●	●		●	●	△	△	△	■
	Elvitegravir/Cobi/FTC/TDF	△	●	●	●	●	●	●	●	△	●	◆	●	●	●	△	●	●	△	●	●	●	●	△	●	◆	●	●	●	●	●	●	●		●	△	△	△	■
	Raltegravir	△	△	△	◆	△	◆	◆	◆	◆	△	◆	◆	△	◆	◆	△	△	◆	◆	◆	◆	◆	◆	●	◆	●	◆	●	●	●	●	●	O	◆	◆	◆	◆	◆
Entry, Attachment & Capsid Inhibitors	Enfuvirtide (ENF, T20)	◆	◆	◆	◆	△	◆	◆	◆	◆	△	◆	◆	◆	◆	◆	△	△	◆	◆	◆	◆	◆	◆	△	◆	△	◆	△	△	△	△	△	◆	N	◆	◆	◆	◆
	Fostemsavir (FTR)	△	△	△	△	△	△	△	△	◆	△	◆	△	△	△	△	△	△	◆	◆	◆	◆	◆	◆	△	◆	△	◆	△	△	△	△	△	◆	◆	L	◆	◆	◆
	Ibalizumab (IBA)	◆	◆	◆	◆	△	◆	◆	◆	◆	△	◆	◆	◆	◆	◆	△	△	◆	◆	◆	◆	◆	◆	△	◆	△	◆	△	△	△	△	△	◆	◆	◆	Y	◆	◆
	Lenacapavir (LEN)	●	●	●	△	△	△	△	△	△	△	◆	●	●	●	△	△	△	◆	◆	△	△	◆	◆	△	◆	△	◆	◆	◆	△	△	△	◆	◆	◆	◆		△
	Maraviroc (MVC)	■	■	■	■	■	■	■	■	◆	△	◆	■	■	◆	◆	△	△	◆	◆	◆	◆	◆	◆	△	◆	△	◆	△	△	△	■	■	◆	◆	◆	◆	△	

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Key to symbols

●	These drugs should not be coadministered
■	Potential interaction - may require close monitoring, alteration of drug dosage or timing of administration
△	Potential interaction likely to be of weak intensity - additional action/monitoring or dosage adjustment is unlikely to be required
◆	No clinically significant interaction expected

Where advice differs between countries, and/or between boosted and unboosted regimens, the charts reflect the more cautious option.

Co-formulations

Atripla®	Efavirenz + Emtricitabine + Tenofovir-DF
Biktarvy®	Bictegravir + Emtricitabine + Tenofovir alafenamide
Combivir®	Lamivudine + Zidovudine
Complera®	Emtricitabine + Rilpivirine + Tenofovir-DF
Delstrigo®	Doravirine + Lamivudine + Tenofovir-DF
Descovy®	Emtricitabine + Tenofovir alafenamide
Dovato®	Lamivudine + Dolutegravir
Eviplera®	Emtricitabine + Rilpivirine + Tenofovir-DF
Evotaz®	Atazanavir + Cobicistat
Genvoya®	Elvitegravir + Cobicistat + Emtricitabine + Tenofovir alafenamide
Juluca®	Dolutegravir + Rilpivirine
Kivexa®	Abacavir + Lamivudine
Odefsey®	Emtricitabine + Rilpivirine + Tenofovir alafenamide
Prezcobix®	Darunavir + Cobicistat
Rezolsta®	Darunavir + Cobicistat
Symtuza®	Darunavir + Cobicistat + Emtricitabine + Tenofovir alafenamide
Stribild®	Elvitegravir + Cobicistat + Emtricitabine + Tenofovir-DF
Temixys®	Lamivudine +Tenofovir-DF
Triumeq®	Abacavir + Lamivudine + Dolutegravir
Trizivir®	Abacavir + Lamivudine + Zidovudine
Truvada®	Emtricitabine + Tenofovir-DF

Key to abbreviations

ATV	Atazanavir (Reyataz®)
ATV/cobi	Atazanavir/Cobicistat (Evotaz®)
ATV + r	Atazanavir + Ritonavir (Reyataz® + Norvir®)
DRV/cobi	Darunavir/Cobicistat (Rezolsta®, Prezcobix®)
DRV/c/FTC/TAF	Darunavir, cobicistat, emtricitabine, tenofovir alafenamide (Symtuza®)
DRV + r	Darunavir + Ritonavir (Prezista® + Norvir®)
LPV	Lopinavir (Kaletra®)
RTV	Ritonavir (Norvir®)
DOR	Doravirine (Pifeltro®)
DOR/3TC/TDF	Doravirine/Lamivudine/ Tenofovir-DF (Delstrigo®)
DPV (VR)	Dapivirine Vaginal Ring
EFV	Efavirenz (Sustiva®, Stocrin®)
ETV	Etravirine (Intelence®)
NVP	Nevirapine (Viramune®)
RPV	Rilpivirine (Edurant®)
ABC	Abacavir (Ziagen®)
FTC	Emtricitabine (Emtriva®)
3TC	Lamivudine (Epivir®)
TAF	Tenofovir alafenamide
ZDV	Zidovudine (Retrovir®)
BIC/FTC/TAF	Bictegravir + Emtricitabine + Tenofovir alafenamide (Biktarvy®)
CAB PrEP (LA)	Cabotegravir PrEP (long acting) (Apretude®)
CAB/RPV (LA)	Cabotegravir + Rilpivirine (long acting) (Cabenuva®)
DTG	Dolutegravir (Tivicay®)
EVG/c/FTC/TAF	Elvitegravir + Cobicistat + Emtricitabine + Tenofovir alafenamide (Genvoya®)
EVG/c/FTC/TDF	Elvitegravir + Cobicistat + Emtricitabine + Tenofovir disoproxil fumarate (Stribild®)
RAL	Raltegravir (Isentress®)
Enfuvirtide	Enfuvirtide (Fuzeon®)
Fostemsavir	Fostemsavir (Rukobia®)
Ibalizumab	Ibalizumab-uiyk (Trogarzo®)
Lenacapavir	Lenacapavir (Sunlenca®)
Maraviroc	Maraviroc (Celsentri®, Selzentry®)

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