

Interactions with NNRTIs

Charts revised October 2020. Full information available at www.hiv-druginteractions.org

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Anaesthetics & Muscle Relaxants								
Alcuronium	◆	▲	◆	◆	◆	◆	◆	▲
Bupivacaine	◆	◆	◆	◆	◆	◆	◆	◆
Cisatracurium	◆	◆	◆	◆	◆	◆	◆	◆
Desflurane	◆	◆	◆	◆	◆	◆	◆	◆
Dexmedetomidine	◆	◆	◆	◆	◆	◆	◆	◆
Enflurane	◆	◆	◆	◆	◆	◆	◆	◆
Ephedrine	◆	▲	◆	◆	◆	◆	◆	◆
Etidocaine	◆	◆	◆	◆	◆	◆	◆	◆
Halothane	◆	◆	◆	◆	◆	◆	◆	◆
Isoflurane	◆	◆	◆	◆	◆	◆	◆	◆
Ketamine	◆	◆	◆	◆	◆	◆	◆	◆
Minaxolone	◆	◆	◆	◆	◆	◆	◆	◆
Nitrous oxide	◆	◆	◆	◆	◆	◆	◆	◆
Propofol	◆	◆	◆	◆	◆	◆	◆	◆
Rocuronium	◆	◆	◆	◆	◆	◆	◆	◆
Sevoflurane	◆	◆	◆	◆	◆	◆	◆	◆
Sufentanil	◆	◆	◆	◆	◆	◆	◆	◆
Suxamethonium (succinylcholine)	◆	◆	◆	◆	◆	◆	◆	◆
Tetracaine	◆	◆	◆	◆	◆	◆	◆	◆
Thiopental	◆	◆	◆	◆	◆	◆	◆	◆
Tizanidine	◆	◆	◆	◆	◆	▲	▲	▲
Vecuronium	◆	◆	◆	◆	◆	◆	◆	◆
Analgesics								
Alfentanil	◆	◆	◆	◆	◆	◆	◆	◆
Aspirin	◆	◆	◆	◆	◆	◆	◆	◆
Buprenorphine	◆	◆	◆	◆	◆	◆	◆	◆
Celecoxib	◆	◆	◆	◆	◆	◆	◆	◆
Codeine	◆	◆	◆	◆	◆	◆	◆	◆
Dextropropoxyphene	◆	◆	◆	◆	◆	◆	◆	◆
Diamorphine (diacetylmorphine)	◆	◆	◆	◆	◆	◆	◆	◆
Diclofenac	◆	◆	◆	◆	◆	◆	◆	◆
Dihydrocodeine	◆	◆	◆	◆	◆	◆	◆	◆
Fentanyl	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocodone	◆	◆	◆	◆	◆	◆	◆	◆
Hydromorphone	◆	◆	◆	◆	◆	◆	◆	◆
Ibuprofen	◆	◆	◆	◆	◆	◆	◆	◆
Mefenamic acid	◆	◆	◆	◆	◆	◆	◆	◆
Methadone	◆	◆	◆	◆	◆	◆	◆	◆
Morphine	◆	◆	◆	◆	◆	◆	◆	◆
Naproxen	◆	◆	◆	◆	◆	◆	◆	◆
Nimesulide	◆	◆	◆	◆	◆	◆	◆	◆
Oxycodone	◆	◆	◆	◆	◆	◆	◆	◆
Paracetamol (Acetaminophen)	◆	◆	◆	◆	◆	◆	◆	◆
Pethidine (Meperidine)	◆	◆	◆	◆	◆	◆	◆	◆
Piroxicam	◆	◆	◆	◆	◆	◆	◆	◆
Tapentadol	◆	◆	◆	◆	◆	◆	◆	◆
Tramadol	◆	◆	◆	◆	◆	◆	◆	◆
Anthelmintics								
Albendazole	◆	◆	◆	◆	◆	◆	◆	◆
Diethylcarbamazine	◆	◆	◆	◆	◆	◆	◆	◆
Ivermectin	◆	◆	◆	◆	◆	◆	◆	◆
Levamisole (Ergamisol)	◆	◆	◆	◆	◆	◆	◆	◆
Mebendazole	◆	◆	◆	◆	◆	◆	◆	◆
Nicosamide	◆	◆	◆	◆	◆	◆	◆	◆
Oxamniquine	◆	◆	◆	◆	◆	◆	◆	◆
Praziquantel	◆	◆	◆	◆	◆	◆	◆	◆
Pyrantel	◆	◆	◆	◆	◆	◆	◆	◆
Suramin sodium	◆	◆	◆	◆	◆	◆	◆	◆
Triclabendazole	◆	◆	◆	◆	◆	◆	◆	◆
Antiarrhythmics								
Amiodarone	◆	◆	◆	◆	◆	◆	◆	◆
Bepriidil	◆	◆	◆	◆	◆	◆	◆	◆
Disopyramide	◆	◆	◆	◆	◆	◆	◆	◆
Dofetilide	◆	◆	◆	◆	◆	◆	◆	◆
Flecainide	◆	◆	◆	◆	◆	◆	◆	◆
Lidocaine (Lignocaine)	◆	◆	◆	◆	◆	◆	◆	◆
Mexiletine	◆	◆	◆	◆	◆	◆	◆	◆
Propafenone	◆	◆	◆	◆	◆	◆	◆	◆
Quinidine	◆	◆	◆	◆	◆	◆	◆	◆

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Antibacterials								
Amikacin	◆	◆	◆	◆	◆	◆	◆	◆
Amoxicillin	◆	◆	◆	◆	◆	◆	◆	◆
Ampicillin	◆	◆	◆	◆	◆	◆	◆	◆
Azithromycin	◆	◆	◆	◆	◆	◆	◆	◆
Bedaquiline	◆	◆	◆	◆	◆	◆	◆	◆
Capreomycin	◆	◆	◆	◆	◆	◆	◆	◆
Cefalexin	◆	◆	◆	◆	◆	◆	◆	◆
Cefazolin	◆	◆	◆	◆	◆	◆	◆	◆
Cefixime	◆	◆	◆	◆	◆	◆	◆	◆
Cefotaxime	◆	◆	◆	◆	◆	◆	◆	◆
Ceftazidime	◆	◆	◆	◆	◆	◆	◆	◆
Ceftriaxone	◆	◆	◆	◆	◆	◆	◆	◆
Chloramphenicol	◆	◆	◆	◆	◆	◆	◆	◆
Ciprofloxacin	◆	◆	◆	◆	◆	◆	◆	◆
Clarithromycin	◆	◆	◆	◆	◆	◆	◆	◆
Clavulanic acid	◆	◆	◆	◆	◆	◆	◆	◆
Clindamycin	◆	◆	◆	◆	◆	◆	◆	◆
Clofazimine	◆	◆	◆	◆	◆	◆	◆	◆
Cloxacillin	◆	◆	◆	◆	◆	◆	◆	◆
Cycloserine	◆	◆	◆	◆	◆	◆	◆	◆
Dapsone	◆	◆	◆	◆	◆	◆	◆	◆
Delamanid	◆	◆	◆	◆	◆	◆	◆	◆
Doxycycline	◆	◆	◆	◆	◆	◆	◆	◆
Ertapenem	◆	◆	◆	◆	◆	◆	◆	◆
Erythromycin	◆	◆	◆	◆	◆	◆	◆	◆
Ethambutol	◆	◆	◆	◆	◆	◆	◆	◆
Ethionamide	◆	◆	◆	◆	◆	◆	◆	◆
Flucoxacin	◆	◆	◆	◆	◆	◆	◆	◆
Gentamicin	◆	◆	◆	◆	◆	◆	◆	◆
Imipenem/Cilastatin	◆	◆	◆	◆	◆	◆	◆	◆
Isoniazid	◆	◆	◆	◆	◆	◆	◆	◆
Kanamycin	◆	◆	◆	◆	◆	◆	◆	◆
Levofloxacin	◆	◆	◆	◆	◆	◆	◆	◆
Linezolid	◆	◆	◆	◆	◆	◆	◆	◆
Meropenem	◆	◆	◆	◆	◆	◆	◆	◆
Metronidazole	◆	◆	◆	◆	◆	◆	◆	◆
Moxifloxacin	◆	◆	◆	◆	◆	◆	◆	◆
Nitrofurantoin	◆	◆	◆	◆	◆	◆	◆	◆
Ofloxacin	◆	◆	◆	◆	◆	◆	◆	◆
Para-aminosalicylic acid	◆	◆	◆	◆	◆	◆	◆	◆
Penicillins	◆	◆	◆	◆	◆	◆	◆	◆
Piperacillin	◆	◆	◆	◆	◆	◆	◆	◆
Pyrazinamide	◆	◆	◆	◆	◆	◆	◆	◆
Rifabutin	◆	◆	◆	◆	◆	◆	◆	◆
Rifampicin	◆	◆	◆	◆	◆	◆	◆	◆
Rifapentine	◆	◆	◆	◆	◆	◆	◆	◆
Rifaximin	◆	◆	◆	◆	◆	◆	◆	◆
Spectinomycin	◆	◆	◆	◆	◆	◆	◆	◆
Streptomycin	◆	◆	◆	◆	◆	◆	◆	◆
Sulfadiazine	◆	◆	◆	◆	◆	◆	◆	◆
Tazobactam	◆	◆	◆	◆	◆	◆	◆	◆
Telithromycin	◆	◆	◆	◆	◆	◆	◆	◆
Tetracyclines	◆	◆	◆	◆	◆	◆	◆	◆
Tinidazole	◆	◆	◆	◆	◆	◆	◆	◆
Trimethoprim/Sulfamethoxazole	◆	◆	◆	◆	◆	◆	◆	◆
Vancomycin	◆	◆	◆	◆	◆	◆	◆	◆
Anti-coagulant, Anti-platelet and Fibrinolytic								
Acenocoumarol	◆	◆	◆	◆	◆	◆	◆	◆
Apixaban	◆	◆	◆	◆	◆	◆	◆	◆
Argatroban	◆	◆	◆	◆	◆	◆	◆	◆
Aspirin (anti-platelet)	◆	◆	◆	◆	◆	◆	◆	◆
Betrixaban	◆	◆	◆	◆	◆	◆	◆	◆
Clopidogrel	◆	◆	◆	◆	◆	◆	◆	◆
Dabigatran	◆	◆	◆	◆	◆	◆	◆	◆
Dalteparin	◆	◆	◆	◆	◆	◆	◆	◆
Dipyridamole	◆	◆	◆	◆	◆	◆	◆	◆
Edoxaban	◆	◆	◆	◆	◆	◆	◆	◆
Eltrombopag	◆	◆	◆	◆	◆	◆	◆	◆
Enoxaparin	◆	◆	◆	◆	◆	◆	◆	◆
Fondaparinux	◆	◆	◆	◆	◆	◆	◆	◆
Heparin	◆	◆	◆	◆	◆	◆	◆	◆
Phenprocoumon	◆	◆	◆	◆	◆	◆	◆	◆
Prasugrel	◆	◆	◆	◆	◆	◆	◆	◆
Rivaroxaban	◆	◆	◆	◆	◆	◆	◆	◆
Streptokinase	◆	◆	◆	◆	◆	◆	◆	◆
Ticagrelor	◆	◆	◆	◆	◆	◆	◆	◆
Warfarin	◆	◆	◆	◆	◆	◆	◆	◆

For personal use only. Not for distribution.

Key to abbreviations

DOR	Doravirine (Pifeltro [®])	NVP	Nevirapine (Viramune [®])
DOR + 3TC + TDF	Doravirine + Lamivudine + Tenofovir-DF (Delstrigo [®])	RPV	Rilpivirine (Edurant [®])
EFV	Efavirenz (Sustiva [®] Stocrin [®])	RPV + DTG	Rilpivirine + Dolutegravir (Juluca [®])
ETR	Etravirine (Intelence [®])	RPV + F/TAF	Rilpivirine + Emtricitabine + Tenofovir alafenamide (Odefsey [®])

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.

© Liverpool Drug Interaction Group, University of Liverpool, Pharmacology Research Labs, 1st Floor Block H, 70 Pembroke Place, LIVERPOOL, L69 3GF

We aim to ensure that information is accurate and consistent with current knowledge and practice. However, the University of Liverpool and its servants or agents shall not be responsible or in any way liable for the continued currency of information in this publication whether arising from negligence or otherwise howsoever or for any consequences arising therefrom. The University of Liverpool expressly exclude liability for errors, omissions or inaccuracies to the fullest extent permitted by law.

Interactions with NNRTIs

Charts revised October 2020. Full information available at www.hiv-druginteractions.org

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Anticonvulsants								
Carbamazepine	●	●	■	●	■	●	●	●
Clonazepam	●	●	■	■	■	●	●	●
Eslicarbazepine	●	●	■	▲	▲	●	●	●
Ethosuximide	●	●	■	■	■	●	●	●
Gabapentin	●	●	■	■	■	●	●	●
Lacosamide	●	●	■	■	■	●	●	●
Lamotrigine	●	●	■	■	■	●	●	●
Levetiracetam	●	●	■	■	■	●	●	●
Oxcarbazepine	●	●	■	▲	▲	●	●	●
Phenobarbital (Phenobarbitone)	●	●	■	●	■	●	●	●
Phenytoin	●	●	■	●	■	●	●	●
Pregabalin	●	●	■	■	■	●	●	●
Primidone	●	●	■	●	■	●	●	●
Tiagabine	●	●	■	■	■	●	●	●
Topiramate	●	■	■	■	■	●	●	●
Valproate (Divalproex)	●	●	■	■	■	●	●	●
Vigabatrin	●	●	■	■	■	●	●	●
Zonisamide	●	●	■	■	■	●	●	●
Antidepressants								
Agomelatine	●	●	■	■	■	●	●	●
Amitriptyline	●	●	■	■	■	●	●	●
Bupropion	●	●	■	▲	▲	■	■	■
Citalopram	●	●	■	▲	▲	■	■	■
Clomipramine	●	●	■	▲	▲	■	■	■
Desipramine	●	●	■	▲	▲	■	■	■
Doxepin	●	●	■	▲	▲	■	■	■
Duloxetine	●	●	■	▲	▲	■	■	■
Escitalopram	●	●	■	▲	▲	■	■	■
Fluoxetine	●	●	■	▲	▲	■	■	■
Fluvoxamine	●	●	■	▲	▲	■	■	■
Imipramine	●	●	■	▲	▲	■	■	■
Lithium	●	■	■	■	■	▲	▲	▲
Maprotiline	●	●	■	▲	▲	■	■	■
Mianserin	●	●	■	▲	▲	■	■	■
Milnacipran	●	●	■	▲	▲	■	■	■
Mirtazapine	●	●	■	▲	▲	■	■	■
Nefazodone	▲	▲	■	▲	▲	■	■	■
Nortriptyline	●	●	■	▲	▲	■	■	■
Paroxetine	●	●	■	▲	▲	■	■	■
Phenelzine	●	●	■	▲	▲	■	■	■
Reboxetine	●	●	■	▲	▲	■	■	■
Sertraline	●	●	■	▲	▲	■	■	■
Tranylcypromine	●	●	■	▲	▲	■	■	■
Trazodone	●	●	■	▲	▲	■	■	■
Trimipramine	●	●	■	▲	▲	■	■	■
Venlafaxine	●	●	■	▲	▲	■	■	■
Vortioxetine	●	●	■	▲	▲	■	■	■
Anti-diabetics								
Acarbose	●	●	■	■	■	●	●	●
Alogliptin	●	■	■	■	■	●	●	●
Canagliflozin	●	■	■	■	■	●	●	●
Dapagliflozin	●	■	■	■	■	●	●	●
Dulaglutide	●	■	■	■	■	●	●	●
Empagliflozin	●	■	■	■	■	●	●	●
Exenatide	●	■	■	■	■	●	●	●
Glibenclamide (Glyburide)	●	■	■	■	■	●	●	●
Gliazide	●	■	■	■	■	●	●	●
Glimepiride	●	■	■	■	■	●	●	●
Glipizide	●	■	■	■	■	●	●	●
Insulin	●	■	■	■	■	●	●	●
Linagliptin	●	■	■	■	■	●	●	●
Liraglutide	●	■	■	■	■	●	●	●
Metformin	●	■	■	■	■	●	●	●
Nateglinide	●	■	■	■	■	●	●	●
Pioglitazone	●	■	■	■	■	●	●	●
Repaglinide	●	■	■	■	■	●	●	●
Rosiglitazone	●	■	■	■	■	●	●	●
Saxagliptin	●	■	■	■	■	●	●	●
Sitagliptin	●	■	■	■	■	●	●	●
Tolbutamide	●	■	■	■	■	●	●	●
Vildagliptin	●	■	■	■	■	●	●	●

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Antifungals								
Amphotericin B	●	■	■	■	■	●	●	●
Anidulafungin	●	●	■	■	■	●	●	●
Caspofungin	●	●	■	■	■	●	●	●
Fluconazole	▲	▲	■	■	■	▲	▲	▲
Flucytosine	●	■	■	■	■	●	●	●
Griseofulvin	■	■	■	■	■	■	■	■
Itraconazole	▲	■	■	■	■	▲	▲	▲
Ketoconazole	▲	■	●	■	■	▲	▲	▲
Miconazole	▲	▲	■	■	■	▲	▲	▲
Nystatin	▲	▲	■	■	■	▲	▲	▲
Posaconazole	▲	▲	■	■	■	▲	▲	▲
Terbinafine	▲	▲	■	■	■	▲	▲	▲
Voriconazole	▲	▲	■	■	■	▲	▲	▲
Antihistamines								
Astemizole	●	●	●	●	●	■	■	■
Cetirizine	●	●	■	■	■	●	●	●
Chlorphenamine	●	●	■	■	■	●	●	●
Diphenhydramine	●	●	■	■	■	●	●	●
Fexofenadine	●	●	■	▲	▲	■	■	■
Levocetirizine	●	●	■	■	■	●	●	●
Loratadine	●	●	■	■	■	●	●	●
Promethazine	●	●	■	■	■	●	●	●
Terfenadine	●	●	●	●	●	■	■	■
Antimigraine Agents								
Almotriptan	●	●	■	■	■	●	●	●
Dihydroergotamine	▲	▲	●	●	●	▲	▲	▲
Eletriptan	●	●	■	■	■	●	●	●
Ergotamine	▲	▲	●	●	●	▲	▲	▲
Rizatriptan	●	●	■	■	■	●	●	●
Sumatriptan	●	●	■	■	■	●	●	●
Zolmitriptan	●	●	■	■	■	●	●	●
Antiprotozoals								
Amodiaquine	●	●	●	▲	■	●	●	●
Artemisinin	▲	▲	■	■	■	▲	▲	▲
Atovaquone	●	●	■	■	■	●	●	●
Benznidazole	●	●	■	■	■	●	●	●
Chloroquine	●	●	■	■	■	●	●	●
Diloxanide	●	●	■	■	■	●	●	●
Eflornithine	●	▲	■	■	■	●	●	▲
Halofantrine	●	●	■	■	■	●	●	●
Hydroxychloroquine	●	●	■	■	■	●	●	●
Lumefantrine	●	●	■	■	■	●	●	●
Mefloquine	●	●	■	■	■	▲	▲	▲
Meglumine antimoniate	●	■	■	■	■	●	●	■
Melarsoprol	●	●	■	■	■	●	●	●
Miltefosine	●	●	■	■	■	●	●	●
Nifurtimox	●	●	■	■	■	●	●	●
Paromomycin	●	●	■	■	■	●	●	●
Pentamidine	●	■	■	■	■	●	●	■
Piperazine	▲	▲	■	■	■	▲	▲	▲
Primaquine	●	●	■	■	■	▲	▲	▲
Proguanil	●	●	■	■	■	●	●	●
Pyrimethamine	●	▲	■	■	■	●	●	▲
Quinine	●	●	■	■	■	●	●	■
Sodium stibogluconate	●	●	■	■	■	●	●	■
Sulfadoxine	●	▲	■	■	■	●	●	▲
Antipsychotics/Neuroleptics								
Amisulpride	●	●	■	■	■	●	●	●
Aripiprazole	●	●	■	■	■	▲	▲	▲
Asenapine	●	●	■	■	■	▲	▲	▲
Chlorpromazine	●	●	■	■	■	▲	▲	▲
Clozapine	●	●	■	■	■	▲	▲	▲
Fluphenazine	●	●	■	■	■	▲	▲	▲
Haloperidol	●	●	■	■	■	▲	▲	▲
Iloperidone	●	●	■	■	■	▲	▲	▲
Levomepromazine	●	●	■	■	■	▲	▲	▲
Olanzapine	●	●	■	■	■	▲	▲	▲
Paliperidone	●	●	■	■	■	▲	▲	▲
Perazine	●	●	■	■	■	▲	▲	▲
Periciazine	●	●	■	■	■	▲	▲	▲
Perphenazine	●	●	■	■	■	▲	▲	▲
Pimozide	●	●	■	■	■	▲	▲	▲
Pipotiazine	●	●	■	■	■	▲	▲	▲
Quetiapine	●	●	■	■	■	▲	▲	▲
Risperidone	●	●	■	■	■	▲	▲	▲
Sulpiride	●	●	■	■	■	▲	▲	▲
Thioridazine	■	■	▲	▲	▲	■	■	■
Tiapride	●	●	■	■	■	▲	▲	▲
Ziprasidone	●	●	■	■	■	●	●	●
Zotepine	●	●	■	■	■	▲	▲	▲
Zuclopenthixol	●	●	■	■	■	▲	▲	▲

For personal use only. Not for distribution.

Key to abbreviations

DOR	Doravirine (Pifeltro [®])	NVP	Nevirapine (Viramune [®])
DOR + 3TC + TDF	Doravirine + Lamivudine + Tenofovir-DP (Delstrigo [®])	RPV	Rilpivirine (Edurant [®])
EFV	Efavirenz (Sustiva [®] Stocrin [®])	RPV + DTG	Rilpivirine + Dolutegravir (Juluca [®])
ETR	Etravirine (Intelence [®])	RPV + F/TAF	Rilpivirine + Emtricitabine + Tenofovir alafenamide (Odefsey [®])

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.

Interactions with NNRTIs

Charts revised October 2020. Full information available at www.hiv-druginteractions.org

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Antivirals								
Aciclovir	◆	◆	◆	◆	◆	◆	◆	◆
Adefovir	◆	◆	◆	◆	◆	◆	◆	◆
Amantadine	◆	◆	◆	◆	◆	◆	◆	◆
Cidofovir	◆	◆	◆	◆	◆	◆	◆	◆
Daclatasvir	◆	◆	◆	◆	◆	◆	◆	◆
Elbasvir/Grazoprevir	◆	◆	◆	◆	◆	◆	◆	◆
Entecavir	◆	◆	◆	◆	◆	◆	◆	◆
Famciclovir	◆	◆	◆	◆	◆	◆	◆	◆
Foscarnet	◆	◆	◆	◆	◆	◆	◆	◆
Ganciclovir	◆	◆	◆	◆	◆	◆	◆	◆
Glecaprevir/Pibrentasvir	◆	◆	◆	◆	◆	◆	◆	◆
Ledipasvir/sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆
Ombitasvir/Paritaprevir/r	◆	◆	◆	◆	◆	◆	◆	◆
Ombitasvir/Paritaprevir/r + Dasabuvir	◆	◆	◆	◆	◆	◆	◆	◆
Oseltamivir	◆	◆	◆	◆	◆	◆	◆	◆
Ribavirin	◆	◆	◆	◆	◆	◆	◆	◆
Rimantadine	◆	◆	◆	◆	◆	◆	◆	◆
Simeprevir	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir/Velpatasvir	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir/Velpatasvir/Voxilaprevir	◆	◆	◆	◆	◆	◆	◆	◆
Telbivudine	◆	◆	◆	◆	◆	◆	◆	◆
Tenofovir alafenamide (HBV)	◆	◆	◆	◆	◆	◆	◆	◆
Valaciclovir	◆	◆	◆	◆	◆	◆	◆	◆
Zanamivir	◆	◆	◆	◆	◆	◆	◆	◆
Anxiolytics/Hypnotics/ Sedatives								
Alprazolam	◆	◆	◆	◆	◆	◆	◆	◆
Bromazepam	◆	◆	◆	◆	◆	◆	◆	◆
Buspirone	◆	◆	◆	◆	◆	◆	◆	◆
Chlordiazepoxide	◆	◆	◆	◆	◆	◆	◆	◆
Clobazam	◆	◆	◆	◆	◆	◆	◆	◆
Clorazepate	◆	◆	◆	◆	◆	◆	◆	◆
Diazepam	◆	◆	◆	◆	◆	◆	◆	◆
Estazolam	◆	◆	◆	◆	◆	◆	◆	◆
Flunitrazepam	◆	◆	◆	◆	◆	◆	◆	◆
Flurazepam	◆	◆	◆	◆	◆	◆	◆	◆
Hydroxyzine	◆	◆	◆	◆	◆	◆	◆	◆
Lorazepam	◆	◆	◆	◆	◆	◆	◆	◆
Lormetazepam	◆	◆	◆	◆	◆	◆	◆	◆
Midazolam (oral)	◆	◆	◆	◆	◆	◆	◆	◆
Midazolam (parenteral)	◆	◆	◆	◆	◆	◆	◆	◆
Oxazepam	◆	◆	◆	◆	◆	◆	◆	◆
Temazepam	◆	◆	◆	◆	◆	◆	◆	◆
Triazolam	◆	◆	◆	◆	◆	◆	◆	◆
Zaleplon	◆	◆	◆	◆	◆	◆	◆	◆
Zolpidem	◆	◆	◆	◆	◆	◆	◆	◆
Zopiclone	◆	◆	◆	◆	◆	◆	◆	◆
Beta Blockers								
Atenolol	◆	◆	◆	◆	◆	◆	◆	◆
Bisoprolol	◆	◆	◆	◆	◆	◆	◆	◆
Carvedilol	◆	◆	◆	◆	◆	◆	◆	◆
Metoprolol	◆	◆	◆	◆	◆	◆	◆	◆
Nebivolol	◆	◆	◆	◆	◆	◆	◆	◆
Oxprenolol	◆	◆	◆	◆	◆	◆	◆	◆
Pindolol	◆	◆	◆	◆	◆	◆	◆	◆
Propranolol	◆	◆	◆	◆	◆	◆	◆	◆
Timolol	◆	◆	◆	◆	◆	◆	◆	◆
Bronchodilators								
Acclidinium bromide	◆	◆	◆	◆	◆	◆	◆	◆
Aminophylline	◆	◆	◆	◆	◆	◆	◆	◆
Formoterol	◆	◆	◆	◆	◆	◆	◆	◆
Glycopyrronium bromide	◆	◆	◆	◆	◆	◆	◆	◆
Indacaterol	◆	◆	◆	◆	◆	◆	◆	◆
Ipratropium bromide	◆	◆	◆	◆	◆	◆	◆	◆
Montelukast	◆	◆	◆	◆	◆	◆	◆	◆
Olodaterol	◆	◆	◆	◆	◆	◆	◆	◆
Roflumilast	◆	◆	◆	◆	◆	◆	◆	◆
Salbutamol	◆	◆	◆	◆	◆	◆	◆	◆
Salmeterol	◆	◆	◆	◆	◆	◆	◆	◆
Theophylline	◆	◆	◆	◆	◆	◆	◆	◆
Tiotropium bromide	◆	◆	◆	◆	◆	◆	◆	◆
Umeclidinium bromide	◆	◆	◆	◆	◆	◆	◆	◆
Vilanterol	◆	◆	◆	◆	◆	◆	◆	◆

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Calcium Channel Blockers								
Amlodipine	◆	◆	◆	◆	◆	◆	◆	◆
Diltiazem	◆	◆	◆	◆	◆	◆	◆	◆
Felodipine	◆	◆	◆	◆	◆	◆	◆	◆
Nicardipine	◆	◆	◆	◆	◆	◆	◆	◆
Nifedipine	◆	◆	◆	◆	◆	◆	◆	◆
Nisoldipine	◆	◆	◆	◆	◆	◆	◆	◆
Nitrendipine	◆	◆	◆	◆	◆	◆	◆	◆
Verapamil	◆	◆	◆	◆	◆	◆	◆	◆
Cancer Therapies								
Anastrozole	◆	◆	◆	◆	◆	◆	◆	◆
Asparaginase	◆	◆	◆	◆	◆	◆	◆	◆
Bevacizumab	◆	◆	◆	◆	◆	◆	◆	◆
Bexarotene	◆	◆	◆	◆	◆	◆	◆	◆
Bleomycin	◆	◆	◆	◆	◆	◆	◆	◆
Bortezomib	◆	◆	◆	◆	◆	◆	◆	◆
Brentuximab vedotin	◆	◆	◆	◆	◆	◆	◆	◆
Capecitabine	◆	◆	◆	◆	◆	◆	◆	◆
Carboplatin	◆	◆	◆	◆	◆	◆	◆	◆
Cetuximab	◆	◆	◆	◆	◆	◆	◆	◆
Chlorambucil	◆	◆	◆	◆	◆	◆	◆	◆
Cisplatin	◆	◆	◆	◆	◆	◆	◆	◆
Cyclophosphamide	◆	◆	◆	◆	◆	◆	◆	◆
Cytarabine	◆	◆	◆	◆	◆	◆	◆	◆
Dacarbazine	◆	◆	◆	◆	◆	◆	◆	◆
Dactinomycin	◆	◆	◆	◆	◆	◆	◆	◆
Dasatinib	◆	◆	◆	◆	◆	◆	◆	◆
Daunorubicin	◆	◆	◆	◆	◆	◆	◆	◆
Docetaxel	◆	◆	◆	◆	◆	◆	◆	◆
Doxorubicin	◆	◆	◆	◆	◆	◆	◆	◆
Droloxifene	◆	◆	◆	◆	◆	◆	◆	◆
Enzalutamide	◆	◆	◆	◆	◆	◆	◆	◆
Epirubicin	◆	◆	◆	◆	◆	◆	◆	◆
Erlotinib	◆	◆	◆	◆	◆	◆	◆	◆
Estramustine	◆	◆	◆	◆	◆	◆	◆	◆
Etoposide	◆	◆	◆	◆	◆	◆	◆	◆
Everolimus	◆	◆	◆	◆	◆	◆	◆	◆
Exemestane	◆	◆	◆	◆	◆	◆	◆	◆
Fludarabine	◆	◆	◆	◆	◆	◆	◆	◆
Fluorouracil	◆	◆	◆	◆	◆	◆	◆	◆
Formestane	◆	◆	◆	◆	◆	◆	◆	◆
Gefitinib	◆	◆	◆	◆	◆	◆	◆	◆
Gemcitabine	◆	◆	◆	◆	◆	◆	◆	◆
Ifosfamide	◆	◆	◆	◆	◆	◆	◆	◆
Imatinib	◆	◆	◆	◆	◆	◆	◆	◆
Irinotecan	◆	◆	◆	◆	◆	◆	◆	◆
Lapatinib	◆	◆	◆	◆	◆	◆	◆	◆
Lenalidomide	◆	◆	◆	◆	◆	◆	◆	◆
Letrozole	◆	◆	◆	◆	◆	◆	◆	◆
Mercaptopurine	◆	◆	◆	◆	◆	◆	◆	◆
Mesna	◆	◆	◆	◆	◆	◆	◆	◆
Methotrexate	◆	◆	◆	◆	◆	◆	◆	◆
Mitoxantrone	◆	◆	◆	◆	◆	◆	◆	◆
Nilotinib	◆	◆	◆	◆	◆	◆	◆	◆
Oxaliplatin	◆	◆	◆	◆	◆	◆	◆	◆
Paclitaxel	◆	◆	◆	◆	◆	◆	◆	◆
Pazopanib	◆	◆	◆	◆	◆	◆	◆	◆
Polatuzumab vedotin	◆	◆	◆	◆	◆	◆	◆	◆
Procarbazine	◆	◆	◆	◆	◆	◆	◆	◆
Rituximab	◆	◆	◆	◆	◆	◆	◆	◆
Sorafenib	◆	◆	◆	◆	◆	◆	◆	◆
Sunitinib	◆	◆	◆	◆	◆	◆	◆	◆
Tamoxifen	◆	◆	◆	◆	◆	◆	◆	◆
Temsirolimus	◆	◆	◆	◆	◆	◆	◆	◆
Topotecan	◆	◆	◆	◆	◆	◆	◆	◆
Toremifene	◆	◆	◆	◆	◆	◆	◆	◆
Trastuzumab	◆	◆	◆	◆	◆	◆	◆	◆
Trastuzumab emtansine	◆	◆	◆	◆	◆	◆	◆	◆
Vinblastine	◆	◆	◆	◆	◆	◆	◆	◆
Vincristine	◆	◆	◆	◆	◆	◆	◆	◆
Vinorelbine	◆	◆	◆	◆	◆	◆	◆	◆
Vorinostat	◆	◆	◆	◆	◆	◆	◆	◆

For personal use only. Not for distribution.

Key to abbreviations

DOR	Doravirine (Pifeltro®)	NVP	Nevirapine (Viramune®)
DOR + 3TC + TDF	Doravirine + Lamivudine + Tenofovir-DF (Delstrigo®)	RPV	Rilpivirine (Edurant®)
EFV	Efavirenz (Sustiva® Stocrin®)	RPV + DTG	Rilpivirine + Dolutegravir (Juluca®)
ETR	Etravirine (Intelence®)	RPV + F/TAF	Rilpivirine + Emtricitabine + Tenofovir alafenamide (Odefsey®)

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.

© Liverpool Drug Interaction Group, University of Liverpool, Pharmacology Research Labs, 1st Floor Block H, 70 Pembroke Place, LIVERPOOL, L69 3GF

We aim to ensure that information is accurate and consistent with current knowledge and practice. However, the University of Liverpool and its servants or agents shall not be responsible or in any way liable for the continued currency of information in this publication whether arising from negligence or otherwise howsoever or for any consequences arising therefrom. The University of Liverpool expressly exclude liability for errors, omissions or inaccuracies to the fullest extent permitted by law.

Interactions with NNRTIs

Charts revised October 2020. Full information available at www.hiv-druginteractions.org

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Contraceptives/HRT								
Desogestrel (COC)	◆	◆	●	▲	▲	◆	◆	◆
Desogestrel (POP)	◆	◆	●	▲	▲	◆	◆	◆
Drospirenone (COC)	◆	◆	●	▲	▲	◆	◆	◆
Drospirenone (HRT)	◆	◆	■	■	■	◆	◆	◆
Dydrogesterone (HRT)	◆	◆	■	■	■	◆	◆	◆
Estradiol	◆	◆	■	■	■	◆	◆	◆
Ethinylestradiol	◆	◆	■	■	■	◆	◆	◆
Etonogestrel (implant)	◆	◆	●	▲	▲	◆	◆	◆
Etonogestrel (vaginal ring)	◆	◆	●	▲	▲	◆	◆	◆
Gestodene (COC)	◆	◆	●	▲	▲	◆	◆	◆
Levonorgestrel (COC)	◆	◆	●	▲	▲	◆	◆	◆
Levonorgestrel (emergency contraception)	◆	◆	■	■	■	◆	◆	◆
Levonorgestrel (HRT)	◆	◆	■	■	■	◆	◆	◆
Levonorgestrel (implant)	◆	◆	●	▲	▲	◆	◆	◆
Levonorgestrel (IUD)	◆	◆	■	■	■	◆	◆	◆
Levonorgestrel (POP)	◆	◆	●	▲	▲	◆	◆	◆
Medroxyprogesterone (depot injection)	◆	◆	■	■	■	◆	◆	◆
Medroxyprogesterone (oral)	◆	◆	■	■	■	◆	◆	◆
Norelgestromin (patch)	◆	◆	●	▲	▲	◆	◆	◆
Norethisterone [Norethindrone] (COC)	◆	◆	●	▲	▲	◆	◆	◆
Norethisterone [Norethindrone] (HRT)	◆	◆	■	■	■	◆	◆	◆
Norethisterone [Norethindrone] (IM depot)	◆	◆	■	■	■	◆	◆	◆
Norethisterone [Norethindrone] (POP)	◆	◆	●	▲	▲	◆	◆	◆
Norgestimate (COC)	◆	◆	●	▲	▲	◆	◆	◆
Norgestrel (COC)	◆	◆	●	▲	▲	◆	◆	◆
Norgestrel (HRT)	◆	◆	■	■	■	◆	◆	◆
Ulipristal	◆	◆	■	■	■	◆	◆	◆
Erectile Dysfunctional Agents								
Avanafil	◆	◆	■	■	■	◆	◆	◆
Sildenafil (Erectile Dysfunction)	◆	◆	■	■	■	◆	◆	◆
Tadalafil (Erectile Dysfunction)	◆	◆	■	■	■	◆	◆	◆
Vardenafil	◆	◆	■	■	■	◆	◆	◆
Gastrointestinal Agents								
Allosetron	◆	◆	◆	◆	◆	◆	◆	◆
Antacids	◆	◆	◆	◆	◆	◆	◆	◆
Bisacodyl	◆	◆	◆	◆	◆	◆	◆	◆
Cimetidine	◆	◆	◆	◆	◆	◆	◆	◆
Cisapride	◆	◆	●	■	■	◆	◆	◆
Dexlansoprazole	◆	◆	◆	◆	◆	◆	◆	◆
Esomeprazole	◆	◆	◆	◆	◆	◆	◆	◆
Famotidine	◆	◆	◆	◆	◆	◆	◆	◆
Lactulose	◆	◆	◆	◆	◆	◆	◆	◆
Lansoprazole	◆	◆	◆	◆	◆	◆	◆	◆
Loperamide	◆	◆	◆	◆	◆	◆	◆	◆
Mesalazine	◆	◆	◆	◆	◆	◆	◆	◆
Omeprazole	◆	◆	◆	◆	◆	◆	◆	◆
Pantoprazole	◆	◆	◆	◆	◆	◆	◆	◆
Prucalopride	◆	◆	◆	◆	◆	◆	◆	◆
Rabeprazole	◆	◆	◆	◆	◆	◆	◆	◆
Ranitidine	◆	◆	◆	◆	◆	◆	◆	◆
Senna	◆	◆	◆	◆	◆	◆	◆	◆
Gastrointestinal Agents (anti-emetics)								
Aprepitant	◆	▲	■	■	■	▲	▲	▲
Dolasetron	◆	◆	◆	◆	◆	▲	▲	▲
Domperidone	◆	◆	◆	◆	◆	■	■	■
Dronabinol	◆	◆	◆	◆	◆	◆	◆	◆
Granisetron	◆	◆	◆	◆	◆	▲	▲	▲
Metoclopramide	◆	◆	◆	◆	◆	◆	◆	◆
Ondansetron	◆	◆	◆	◆	◆	■	■	■
Prochlorperazine	◆	◆	◆	◆	◆	▲	▲	▲
Herbals/Supplements/Vitamins								
African potato	■	■	◆	◆	◆	◆	◆	◆
Aloe vera	◆	◆	◆	◆	◆	◆	◆	◆
Ascorbic Acid (vitamin C) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Ascorbic Acid [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Calcium supplements	◆	◆	◆	◆	◆	◆	◆	◆
Cat's claw (Uncaria tomentosa)	▲	▲	◆	◆	◆	▲	▲	▲
Colecalciferol (vitamin D3) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Colecalciferol [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Cubeb pepper (Piper cubeba)	▲	■	◆	◆	◆	▲	▲	▲
Cyanocobalamin [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Cyanocobalamin [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Echinacea	▲	▲	◆	◆	◆	▲	▲	▲
Eucalyptus globulus	◆	◆	◆	◆	◆	◆	◆	◆
Ferrous fumarate	◆	◆	◆	◆	◆	◆	◆	◆
Folic acid [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Folic acid [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Garlic	■	■	◆	◆	◆	◆	◆	◆
Ginger (Zingiber officinale)	▲	▲	◆	◆	◆	▲	▲	▲
Ginkgo biloba	▲	▲	◆	◆	◆	▲	▲	▲
Goldenseal root (Hydrastis canadensis)	◆	◆	◆	◆	◆	◆	◆	◆
Grapefruit juice	▲	▲	◆	◆	◆	▲	▲	▲
Hops (Humulus lupulus)	■	■	◆	◆	◆	◆	◆	◆

Key to abbreviations

DOR	Doravirine (Pifeltro®)	NVP	Nevirapine (Viramune®)
DOR + 3TC + TDF	Doravirine + Lamivudine + Tenofovir-DF (Delstrigo®)	RPV	Rilpivirine (Edurant®)
EFV	Efavirenz (Sustiva® Stocrin®)	RPV + DTG	Rilpivirine + Dolutegravir (Juluca®)
ETR	Etravirine (Intelence®)	RPV + F/TAF	Rilpivirine + Emtricitabine + Tenofovir alafenamide (Odefsey®)

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Herbals/Supplements/Vitamins (continued)								
Inula racemosa	▲	▲	◆	◆	◆	▲	▲	▲
Iodine [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Iodine [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Iron supplements	◆	◆	◆	◆	◆	◆	◆	◆
Liquorice (Glycyrrhiza glabra)	▲	■	◆	◆	◆	▲	▲	▲
Magnesium supplements	◆	◆	◆	◆	◆	◆	◆	◆
Malabar nut tree	■	■	■	■	■	■	■	■
Menthol	▲	▲	◆	◆	◆	▲	▲	▲
Milk thistle (silymarin)	◆	◆	◆	◆	◆	◆	◆	◆
Multivitamins	◆	◆	◆	◆	◆	◆	◆	◆
Nicotinamide [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Nicotinamide [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Phytomenadione (vitamin K) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Phytomenadione [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Pyridoxine (vitamin B6) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Pyridoxine [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Quercetin	▲	▲	■	■	■	■	■	■
Red yeast rice	◆	◆	■	■	■	◆	◆	◆
Retinol (vitamin A) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Retinol (vitamin A) [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Riboflavin (vitamin B2) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Riboflavin [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Saw palmetto (Serenoa repens)	◆	◆	◆	◆	◆	◆	◆	◆
Seville orange juice	▲	▲	◆	◆	◆	▲	▲	▲
St John's Wort	●	●	●	●	●	●	●	●
Thiamine (vitamin B1) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Thiamine [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Tocopherol (vitamin E) [alone]	◆	◆	◆	◆	◆	◆	◆	◆
Tocopherol (vitamin E) [in multivitamins]	◆	◆	◆	◆	◆	◆	◆	◆
Turmeric (Curcuma longa)	◆	◆	◆	◆	◆	◆	◆	◆
Valerian	◆	◆	◆	◆	◆	◆	◆	◆
Hypertension / Heart Failure Agents								
Aliskiren	◆	◆	◆	■	■	◆	◆	◆
Ambrisentan	◆	◆	◆	◆	◆	◆	◆	◆
Amiloride	◆	▲	◆	◆	◆	◆	▲	◆
Benazepril	◆	◆	◆	■	■	◆	◆	◆
Bendroflumethiazide	◆	◆	◆	◆	◆	◆	◆	◆
Bosentan	■	■	■	■	■	■	■	■
Candesartan	◆	◆	◆	◆	◆	◆	◆	◆
Captopril	◆	◆	◆	◆	◆	◆	◆	◆
Chlortalidone	◆	◆	◆	◆	◆	◆	◆	◆
Cilazapril	◆	◆	◆	◆	◆	◆	◆	◆
Clonidine	◆	◆	◆	◆	◆	◆	◆	◆
Digoxin	◆	◆	◆	■	■	◆	◆	◆
Dopamine	◆	◆	◆	◆	◆	◆	◆	◆
Doxazosin	◆	◆	■	■	■	◆	◆	◆
Enalapril	◆	◆	◆	◆	◆	◆	◆	◆
Eplerenone	◆	◆	■	■	■	◆	◆	◆
Epoprostenol	◆	◆	◆	◆	◆	◆	◆	◆
Eprosartan	◆	◆	◆	◆	◆	◆	◆	◆
Fosinopril	◆	◆	◆	◆	◆	◆	◆	◆
Furosemide	◆	▲	◆	◆	◆	◆	◆	◆
Hydralazine	◆	■	◆	◆	◆	◆	◆	◆
Hydrochlorothiazide	◆	◆	◆	◆	◆	◆	◆	◆
Iloprost	◆	◆	◆	◆	◆	◆	◆	◆
Indapamide	◆	◆	■	■	■	◆	◆	◆
Irbesartan	◆	◆	▲	▲	▲	◆	◆	◆
Isosorbide dinitrate	◆	◆	▲	▲	▲	◆	◆	◆
Ivabradine	◆	◆	■	■	■	▲	▲	▲
Labetalol	◆	◆	■	■	■	◆	◆	◆
Lacidipine	◆	◆	■	■	■	◆	◆	◆
Lercanidipine	◆	◆	■	■	■	◆	◆	◆
Lisinopril	◆	◆	◆	◆	◆	◆	◆	◆
Losartan	◆	◆	▲	▲	▲	◆	◆	◆
Macitentan	◆	◆	■	■	■	◆	◆	◆
Methyldopa	◆	◆	◆	◆	◆	◆	◆	◆
Metolazone	◆	◆	◆	◆	◆	◆	◆	◆
Moxonidine	◆	◆	◆	◆	◆	◆	◆	◆
Olmesartan	◆	◆	◆	◆	◆	◆	◆	◆
Perindopril	◆	◆	◆	◆	◆	◆	◆	◆
Prazosin	◆	◆	■	■	■	◆	◆	◆
Quinapril	◆	◆	◆	◆	◆	◆	◆	◆
Ramipril	◆	◆	◆	◆	◆	◆	◆	◆
Ranolazine	◆	◆	■	■	■	▲	▲	■
Riociguat	◆	◆	■	■	■	◆	◆	◆
Sacubitril	◆	▲	◆	◆	◆	◆	◆	◆
Selexipag	◆	◆	◆	◆	◆	◆	◆	◆
Sildenafil (PAH)	◆	◆	■	■	■	◆	◆	◆
Sodium nitroprusside	◆	◆	◆	◆	◆	◆	◆	◆
Spirolactone	◆	◆	◆	◆	◆	◆	◆	◆
Tadalafil (PAH)	◆	◆	■	■	■	◆	◆	◆
Telmisartan	◆	◆	◆	◆	◆	◆	◆	◆
Terazosin	◆	◆	■	■	■	◆	◆	◆
Torasemide	◆	◆	▲	▲	▲	◆	◆	◆
Trandolapril	◆	◆	◆	◆	◆	◆	◆	◆
Treprostinil	◆	◆	■	■	■	◆	◆	◆
Valsartan	◆	◆	◆	◆	◆	◆	◆	◆
Xipamide	◆	◆	◆	◆	◆	◆	◆	◆

For personal use only. Not for distribution.

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.

© Liverpool Drug Interaction Group, University of Liverpool, Pharmacology Research Labs, 1st Floor Block H, 70 Pembroke Place, LIVERPOOL, L69 3GF

We aim to ensure that information is accurate and consistent with current knowledge and practice. However, the University of Liverpool and its servants or agents shall not be responsible or in any way liable for the continued currency of information in this publication whether arising from negligence or otherwise howsoever or for any consequences arising therefrom. The University of Liverpool expressly exclude liability for errors, omissions or inaccuracies to the fullest extent permitted by law.

Interactions with NNRTIs

Charts revised October 2020. Full information available at www.hiv-druginteractions.org

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Illicit/Recreational								
Alcohol	◆	◆	◆	◆	◆	◆	◆	◆
Amphetamine	◆	◆	◆	◆	◆	◆	◆	◆
Cannabis	◆	◆	◆	◆	◆	◆	◆	◆
Cocaine	◆	◆	◆	◆	◆	◆	◆	◆
Ecstasy (MDMA)	◆	◆	◆	◆	◆	◆	◆	◆
GHB (Gamma-hydroxybutyrate)	◆	◆	◆	◆	◆	◆	◆	◆
Heroin	◆	◆	◆	◆	◆	◆	◆	◆
LSD (Lysergic acid diethylamide)	◆	◆	◆	◆	◆	◆	◆	◆
Mephedrone	◆	◆	◆	◆	◆	◆	◆	◆
Methamphetamine	◆	◆	◆	◆	◆	◆	◆	◆
Phencyclidine (PCP)	◆	◆	◆	◆	◆	◆	◆	◆
Poppers (Amyl nitrate)	◆	◆	◆	◆	◆	◆	◆	◆
Immune Modulators								
Hydroxyurea (Hydroxycarbamide)	◆	◆	◆	◆	◆	◆	◆	◆
Interferon alpha	◆	◆	◆	◆	◆	◆	◆	◆
Interleukin 2 (Aldesleukin)	◆	◆	◆	◆	◆	◆	◆	◆
Peginterferon alfa-2a	◆	◆	◆	◆	◆	◆	◆	◆
Peginterferon alfa-2b	◆	◆	◆	◆	◆	◆	◆	◆
Immunosuppressants								
Adalimumab	◆	◆	◆	◆	◆	◆	◆	◆
Anti-thymocyte globulin	◆	◆	◆	◆	◆	◆	◆	◆
Azathioprine	◆	◆	◆	◆	◆	◆	◆	◆
Basiliximab	◆	◆	◆	◆	◆	◆	◆	◆
Belatacept	◆	◆	◆	◆	◆	◆	◆	◆
Ciclosporin	◆	◆	◆	◆	◆	◆	◆	◆
Mycophenolate	◆	◆	◆	◆	◆	◆	◆	◆
Sirilimus	◆	◆	◆	◆	◆	◆	◆	◆
Tacrolimus	◆	◆	◆	◆	◆	◆	◆	◆
Lipid Lowering Agents								
Atorvastatin	◆	◆	◆	◆	◆	◆	◆	◆
Bezafibrate	◆	◆	◆	◆	◆	◆	◆	◆
Clofibrate	◆	◆	◆	◆	◆	◆	◆	◆
Evolocumab	◆	◆	◆	◆	◆	◆	◆	◆
Ezetimibe	◆	◆	◆	◆	◆	◆	◆	◆
Fenofibrate	◆	◆	◆	◆	◆	◆	◆	◆
Fish oils	◆	◆	◆	◆	◆	◆	◆	◆
Fluvastatin	◆	◆	◆	◆	◆	◆	◆	◆
Gemfibrozil	◆	◆	◆	◆	◆	◆	◆	◆
Lovastatin	◆	◆	◆	◆	◆	◆	◆	◆
Pitavastatin	◆	◆	◆	◆	◆	◆	◆	◆
Pravastatin	◆	◆	◆	◆	◆	◆	◆	◆
Rosuvastatin	◆	◆	◆	◆	◆	◆	◆	◆
Simvastatin	◆	◆	◆	◆	◆	◆	◆	◆
Overactive Bladder Agents								
Darifenacin	◆	◆	◆	◆	◆	◆	◆	◆
Fesoterodine	◆	◆	◆	◆	◆	◆	◆	◆
Mirabegron	◆	◆	◆	◆	◆	◆	◆	◆
Oxybutynin	◆	◆	◆	◆	◆	◆	◆	◆
Solifenacin	◆	◆	◆	◆	◆	◆	◆	◆
Tolterodine	◆	◆	◆	◆	◆	◆	◆	◆
Trospium	◆	◆	◆	◆	◆	◆	◆	◆
Oxytocics								
Ergometrine (Ergonovine)	◆	◆	◆	◆	◆	◆	◆	◆
Mifepristone	◆	◆	◆	◆	◆	◆	◆	◆
Misoprostol	◆	◆	◆	◆	◆	◆	◆	◆
Oxytocin	◆	◆	◆	◆	◆	◆	◆	◆
Parkinsonism Agents								
Apomorphine	◆	◆	◆	◆	◆	◆	◆	◆
Benserazide	◆	◆	◆	◆	◆	◆	◆	◆
Cabergoline (Parkinson's)	◆	◆	◆	◆	◆	◆	◆	◆
Carbidopa	◆	◆	◆	◆	◆	◆	◆	◆
Levodopa	◆	◆	◆	◆	◆	◆	◆	◆
Pramipexole	◆	◆	◆	◆	◆	◆	◆	◆
Rasagiline	◆	◆	◆	◆	◆	◆	◆	◆
Ropinirole	◆	◆	◆	◆	◆	◆	◆	◆
Steroids								
Beclomethasone	◆	◆	◆	◆	◆	◆	◆	◆
Betamethasone	◆	◆	◆	◆	◆	◆	◆	◆
Budesonide	◆	◆	◆	◆	◆	◆	◆	◆
Ciclesonide	◆	◆	◆	◆	◆	◆	◆	◆
Clobetasol	◆	◆	◆	◆	◆	◆	◆	◆
Dexamethasone	◆	◆	◆	◆	◆	◆	◆	◆
Fludrocortisone	◆	◆	◆	◆	◆	◆	◆	◆
Flunisolide	◆	◆	◆	◆	◆	◆	◆	◆
Fluocinolone	◆	◆	◆	◆	◆	◆	◆	◆
Fluticasone	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocortisone (oral)	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocortisone (topical)	◆	◆	◆	◆	◆	◆	◆	◆
Megestrol acetate	◆	◆	◆	◆	◆	◆	◆	◆
Methylprednisolone	◆	◆	◆	◆	◆	◆	◆	◆
Mometasone	◆	◆	◆	◆	◆	◆	◆	◆
Nandrolone	◆	◆	◆	◆	◆	◆	◆	◆
Oxandrolone	◆	◆	◆	◆	◆	◆	◆	◆
Prednisolone	◆	◆	◆	◆	◆	◆	◆	◆
Prednisone	◆	◆	◆	◆	◆	◆	◆	◆
Stanozolol	◆	◆	◆	◆	◆	◆	◆	◆
Testosterone	◆	◆	◆	◆	◆	◆	◆	◆
Triamcinolone	◆	◆	◆	◆	◆	◆	◆	◆

Key to abbreviations

DOR	Doravirine (Pifeltro®)	NVP	Nevirapine (Viramune®)
DOR + 3TC + TDF	Doravirine + Lamivudine + Tenofovir-DF (Delstrigo®)	RPV	Rilpivirine (Edurant®)
EFV	Efavirenz (Sustiva® Stocrin®)	RPV + DTG	Rilpivirine + Dolutegravir (Juluca®)
ETR	Etravirine (Intelence®)	RPV + F/TAF	Rilpivirine + Emtricitabine + Tenofovir alafenamide (Odefsey®)

	DOR	DOR + 3TC/TDF	EFV	ETR	NVP	RPV	RPV + DTG	RPV + F/TAF
Other								
Acamprosate	◆	◆	◆	◆	◆	◆	◆	◆
Acetazolamide	◆	◆	◆	◆	◆	◆	◆	◆
Acitretin	◆	◆	◆	◆	◆	◆	◆	◆
Adrenaline (Epinephrine)	◆	◆	◆	◆	◆	◆	◆	◆
Alendronic Acid	◆	◆	◆	◆	◆	◆	◆	◆
Alfuzosin	◆	◆	◆	◆	◆	◆	◆	◆
Allopurinol	◆	◆	◆	◆	◆	◆	◆	◆
Atomoxetine	◆	◆	◆	◆	◆	◆	◆	◆
Atropine	◆	◆	◆	◆	◆	◆	◆	◆
Baclofen	◆	◆	◆	◆	◆	◆	◆	◆
Betahistine	◆	◆	◆	◆	◆	◆	◆	◆
Biperiden	◆	◆	◆	◆	◆	◆	◆	◆
Brimonidine	◆	◆	◆	◆	◆	◆	◆	◆
Cabergoline (lactation suppression)	◆	◆	◆	◆	◆	◆	◆	◆
Caffeine citrate	◆	◆	◆	◆	◆	◆	◆	◆
Calcium folinate	◆	◆	◆	◆	◆	◆	◆	◆
Cannabidiol (CBD)	◆	◆	◆	◆	◆	◆	◆	◆
Carbamazole	◆	◆	◆	◆	◆	◆	◆	◆
Clomifene	◆	◆	◆	◆	◆	◆	◆	◆
Colchicine	◆	◆	◆	◆	◆	◆	◆	◆
Colestyramine (Cholestyramine)	◆	◆	◆	◆	◆	◆	◆	◆
Cyproterone acetate	◆	◆	◆	◆	◆	◆	◆	◆
Denosumab	◆	◆	◆	◆	◆	◆	◆	◆
Disulfiram	◆	◆	◆	◆	◆	◆	◆	◆
Dutasteride	◆	◆	◆	◆	◆	◆	◆	◆
Fampridine (Dalfampridine)	◆	◆	◆	◆	◆	◆	◆	◆
Filgrastim	◆	◆	◆	◆	◆	◆	◆	◆
Finasteride	◆	◆	◆	◆	◆	◆	◆	◆
Flibanserin	◆	◆	◆	◆	◆	◆	◆	◆
Glycerol trinitrate (Nitroglycerin)	◆	◆	◆	◆	◆	◆	◆	◆
Goserelin	◆	◆	◆	◆	◆	◆	◆	◆
Ibandronic acid	◆	◆	◆	◆	◆	◆	◆	◆
Isotretinoin	◆	◆	◆	◆	◆	◆	◆	◆
Leuprorelin	◆	◆	◆	◆	◆	◆	◆	◆
Levothyroxine	◆	◆	◆	◆	◆	◆	◆	◆
Mannitol	◆	◆	◆	◆	◆	◆	◆	◆
Methylphenidate	◆	◆	◆	◆	◆	◆	◆	◆
Modafinil	◆	◆	◆	◆	◆	◆	◆	◆
Naftidrofuryl	◆	◆	◆	◆	◆	◆	◆	◆
Naloxone	◆	◆	◆	◆	◆	◆	◆	◆
Naltrexone	◆	◆	◆	◆	◆	◆	◆	◆
Neostigmine	◆	◆	◆	◆	◆	◆	◆	◆
Nicorandil	◆	◆	◆	◆	◆	◆	◆	◆
Orlistat	◆	◆	◆	◆	◆	◆	◆	◆
Penicillamine	◆	◆	◆	◆	◆	◆	◆	◆
Pentoxifylline	◆	◆	◆	◆	◆	◆	◆	◆
Pilocarpine	◆	◆	◆	◆	◆	◆	◆	◆
Potassium	◆	◆	◆	◆	◆	◆	◆	◆
Probenecid	◆	◆	◆	◆	◆	◆	◆	◆
Propylthiouracil	◆	◆	◆	◆	◆	◆	◆	◆
Protamine sulphate	◆	◆	◆	◆	◆	◆	◆	◆
Pyridostigmine	◆	◆	◆	◆	◆	◆	◆	◆
Sevelamer	◆	◆	◆	◆	◆	◆	◆	◆
Strontium ranelate	◆	◆	◆	◆	◆	◆	◆	◆
Sulfasalazine	◆	◆	◆	◆	◆	◆	◆	◆
Tamsulosin	◆	◆	◆	◆	◆	◆	◆	◆
Thalidomide	◆	◆	◆	◆	◆	◆	◆	◆
Tranexamic acid	◆	◆	◆	◆	◆	◆	◆	◆
Triptorelin	◆	◆	◆	◆	◆	◆	◆	◆
Varenicline	◆	◆	◆	◆	◆	◆	◆	◆
Zoledronic acid	◆	◆	◆	◆	◆	◆	◆	◆

For personal use only. Not for distribution.

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.

© Liverpool Drug Interaction Group, University of Liverpool, Pharmacology Research Labs, 1st Floor Block H, 70 Pembroke Place, LIVERPOOL, L69 3GF

We aim to ensure that information is accurate and consistent with current knowledge and practice. However, the University of Liverpool and its servants or agents shall not be responsible or in any way liable for the continued currency of information in this publication whether arising from negligence or otherwise howsoever or for any consequences arising therefrom. The University of Liverpool expressly exclude liability for errors, omissions or inaccuracies to the fullest extent permitted by law.