

Interactions with NNRTIs

Charts revised January 2012. Full information available at www.hiv-druginteractions.org

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	DLV	EFV	ETV	NVP	RPV
Analgesics					
Alfentanil	◻	◻	◻	◻	◻
Aspirin	◻	◻	◻	◻	◻
Buprenorphine	■	■	◻	■	◻
Celecoxib	◻	◻	◻	◻	◻
Codeine	◻	◻	◻	◻	◻
Dextropropoxyphene	◻	◻	◻	◻	◻
Diamorphine (diacetylmorphine)	◻	◻	◻	◻	◻
Diclofenac	◻	◻	◻	◻	◻
Dihydrocodeine	◻	◻	◻	◻	◻
Fentanyl	◻	◻	◻	■	◻
Ibuprofen	◻	◻	◻	◻	◻
Mefenamic acid	◻	◻	◻	◻	◻
Methadone	■	■	■	■	■
Morphine	◻	◻	◻	◻	◻
Naproxen	◻	◻	◻	◻	◻
Nimesulide	◻	◻	◻	◻	◻
Paracetamol	◻	◻	◻	◻	◆
Pethidine (Meperidine)	◻	◻	◻	◻	◻
Piroxicam	◻	◻	◻	◻	◻
Tramadol	◻	◻	◻	◻	◻
Antiarrhythmics					
Amiodarone	■	◻	■	■	■
Bepiridil	■	●	■	◻	■
Disopyramide	◻	◻	■	■	■
Flecainide	■	◻	■	■	◻
Lidocaine (Lignocaine)	■	◻	■	■	◻
Mexiletine	◻	◻	■	◻	◻
Propafenone	■	◻	■	◻	◻
Quinidine	■	◻	■	◻	■
Antibacterials					
Amikacin	◻	◻	◻	◻	◻
Amoxicillin	◻	◻	◻	◻	◻
Azithromycin	◻	◆	◆	◻	◻
Ciprofloxacin	◻	◻	◻	◻	◻
Clarithromycin	■	■	■	■	■
Clavulanic acid	◻	◻	◻	◻	◻
Clindamycin	◻	◻	◻	◻	◻
Dapsone	◻	◻	◻	◆	◻
Ertapenem	◻	◻	◻	◻	◻
Erythromycin	◻	◆	◻	■	■
Ethambutol	◻	◻	◻	◻	◻
Isoniazid	◻	◆	◻	◻	◻
Meropenem	◻	◻	◻	◻	◻
Metronidazole	◻	◻	◻	◻	◻
Moxifloxacin	◻	◻	◻	◻	■
Ofloxacin	◻	◆	◻	◻	◻
Penicillins	◻	◻	◻	◻	◻
Pyrazinamide	◻	◻	◻	◻	◻
Rifabutin	●	■	■	■	●
Rifampicin	●	■	●	●	●
Rifapentine	◻	◻	●	◻	●
Streptomycin	◻	◻	◻	◻	◻
Tetracyclines	◻	◻	◻	◻	◻
Trimethoprim/Sulfamethoxazole	◆	◻	◻	◆	◻
Anticonvulsants					
Carbamazepine	●	■	●	■	●
Clonazepam	◻	◻	◻	■	◻
Ethosuximide	◻	◻	◻	■	◻
Gabapentin	◻	◆	◻	◻	◻
Lacosamide	◻	■	■	■	◻
Lamotrigine	◻	◻	◻	◻	◻
Levetiracetam	◻	◻	◻	◻	◻
Oxcarbazepine	◻	◆	◻	◻	●
Phenobarbital (Phenobarbitone)	●	■	●	◻	●
Phenytoin	●	■	●	◻	●
Pregabalin	◻	◻	◻	◻	◻
Topiramate	◻	◻	◻	◻	◻
Valproate (Divalproex)	◻	◆	◻	◻	◻
Vigabatrin	◻	◆	◻	◻	◻

	DLV	EFV	ETV	NVP	RPV
Antidepressants					
Amitriptyline	◻	◻	◻	◻	◻
Bupropion	◻	■	◻	◻	◻
Citalopram	■	■	◻	■	◻
Clomipramine	◻	◻	◻	◻	◻
Desipramine	◻	◻	◻	◻	◻
Doxepin	◻	◻	◻	◻	◻
Fluoxetine	■	◆	◻	◻	◻
Lithium	◻	◻	◻	◻	◻
Mirtazapine	■	■	◻	■	◻
Nefazodone	◻	◻	◻	◻	◻
Nortriptyline	◻	◻	◻	◻	◻
Paroxetine	◻	◆	◆	◻	◻
Sertraline	◻	■	◻	◻	◻
Trazodone	■	◻	◻	◻	◻
Venlafaxine	◻	◻	◻	◻	◻
Anti-diabetics					
Glibenclamide (Glyburide)	◻	◻	◻	◻	◻
Gliclazide	◻	◻	◻	◻	◻
Glipizide	◻	◻	◻	◻	◻
Insulin	◻	◻	◻	◻	◻
Metformin	◻	◻	◻	◻	◻
Pioglitazone	◻	◻	◻	◻	◻
Repaglinide	◻	◻	◻	◻	◻
Rosiglitazone	◻	◆	◻	■	◻
Tolbutamide	◻	◻	◻	◻	◻
Antifungals					
Amphotericin B	◻	◻	◻	◻	◻
Caspofungin	◻	■	◻	■	◻
Fluconazole	◆	◆	■	■	■
Flucytosine	◻	◻	◻	◻	◻
Itraconazole	◻	■	■	●	■
Ketoconazole	■	■	■	●	■
Miconazole	◻	◻	◻	◻	◻
Posaconazole	◻	■	■	◻	■
Terbinafine	◻	◻	◻	◻	◻
Voriconazole	■	■	■	■	■
Antihistamines					
Astemizole	●	●	○	◻	■
Cetirizine	◻	◆	◻	◻	◻
Fexofenadine	◻	◻	◻	◻	◻
Loratadine	◻	◻	◻	◻	◻
Promethazine	◻	◻	◻	◻	◻
Terfenadine	●	●	○	◻	■
Antimigraine Agents					
Dihydroergotamine	●	●	○	◻	◻
Ergotamine	●	●	○	■	◻
Sumatriptan	◻	◻	◻	◻	◻
Anti-platelet and Anti-coagulant					
Acenocoumarol	◻	◻	◻	◻	◻
Clopidogrel	◻	◻	■	◻	◻
Dabigatran	◻	◻	◻	◻	◻
Phenprocoumon	◻	◻	◻	◻	◻
Rivaroxaban	◻	■	■	■	◻
Warfarin	■	■	■	■	◻
Antiprotozoals					
Amodiaquine	◻	●	◻	◻	◻
Artemisinins	■	■	◻	■	◻
Atovaquone	◻	■	◻	◻	◻
Chloroquine	◻	◻	◻	◻	■
Halofantrine	●	■	◻	■	■
Lumefantrine	■	■	■	■	◻
Mefloquine	◆	◆	◻	◆	◻
Pentamidine	◻	◻	◻	◻	■
Primaquine	◆	◆	◆	◆	◆
Proguanil	◆	◆	◻	◆	◻
Pyrimethamine	◻	◻	◻	◻	◻
Quinine	■	■	◻	■	■
Sulfadoxine/pyrimethamine	◻	◻	◻	◻	◻

Key to abbreviations

DLV	Delavirdine (Rescriptor®)
EFV	Efavirenz (Sustiva® Stocrin®)
ETV	Etravirine (Intenceo®)
NVP	Nevirapine (Viramune®)
RPV	Rilpivirine (Edurant®)

Key to symbols

Filled symbols indicate further information on the interaction is available at www.hiv-druginteractions.org.
Empty symbols indicate the combination has not been studied; an interaction has been predicted based on the metabolic profiles of the drugs.

●/○	These drugs should not be coadministered
■/◻	Potential interaction – may require close monitoring, alteration of drug dosage or timing of administration
◆/◇	No clinically significant interaction expected
◆/◆	There are no clear data, actual or theoretical, to indicate whether an interaction will occur

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

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	DLV	EFV	ETV	NVP	RPV
Antipsychotics/Neuroleptics					
Chlorpromazine	◻	◊	◊	◊	■
Clozapine	◊	◊	◊	◊	◊
Haloperidol	◻	◻	◻	◻	■
Olanzapine	◻	◻	◻	◻	◊
Perphenazine	◊	◊	◊	◊	◊
Pimozide	●	●	◻	◻	■
Quetiapine	◻	◻	◻	◻	◊
Risperidone	◊	◊	◊	◊	◊
Sulpiride	◊	◊	◊	◊	◊
Thioridazine	◊	◊	◊	◊	■
Antivirals					
Aciclovir	◊	◊	◊	◊	◊
Adefovir	■	◆	◊	◆	◊
Amantadine	◊	◊	◊	◊	◊
Boceprevir	◻	■	◻	◻	◻
Cidofovir	◊	◊	◊	◊	◊
Entecavir	◊	◊	◊	◊	◊
Famciclovir	◊	◊	◊	◊	◊
Foscarnet	◊	◊	◊	◊	◊
Ganciclovir	◊	◊	◊	◊	◊
Oseltamivir	◊	◊	◊	◊	◊
Ribavirin	◊	◊	◆	◊	◆
Rimantadine	◊	◊	◊	◊	◊
Telaprevir	◻	■	◻	◻	◻
Valaciclovir	◊	◊	◊	◊	◊
Zanamivir	◊	◊	◊	◊	◊
Anxiolytics/Hypnotics/ Sedatives					
Alprazolam	●	◻	◻	◻	◊
Chlordiazepoxide	◊	◊	◊	◊	◊
Clorazepate	◻	◻	◻	◻	◊
Diazepam	◻	◻	■	◻	◊
Estazolam	◻	◻	◻	◻	◊
Flunitrazepam	◻	◻	◻	◻	◊
Flurazepam	◻	◻	◻	◻	◊
Lorazepam	◊	◆	◊	◊	◊
Lormetazepam	◊	◊	◊	◊	◊
Midazolam (oral)	●	●	◻	◻	◊
Midazolam (parenteral)	●	●	◻	◻	◊
Oxazepam	◊	◊	◊	◊	◊
Temazepam	◊	◊	◊	◊	◊
Triazolam	●	●	◻	◻	◊
Zolpidem	◻	◻	◻	◻	■
Zopiclone	◻	◻	◻	◻	◊
Beta Blockers					
Atenolol	◊	◊	◊	◊	◊
Bisoprolol	◊	◊	◊	◊	◊
Carvedilol	◻	◻	◻	◻	◊
Metoprolol	◊	◊	◊	◊	◊
Propranolol	◊	◊	◊	◊	◊
Bronchodilator					
Montelukast	◻	◻	◻	◻	◊
Salbutamol	◊	◊	◊	◊	◊
Salmeterol	■	◊	◊	◊	◊
Theophylline	◊	◊	◊	◊	◊
Calcium Channel Blockers					
Amlodipine	■	◻	◻	◻	◊
Diltiazem	■	■	◻	■	◻
Felodipine	■	■	◻	◻	◊
Nicardipine	■	■	◻	◻	◊
Nifedipine	■	■	◻	■	◊
Nisoldipine	■	◻	◻	◻	◊
Verapamil	■	■	◻	■	◻

	DLV	EFV	ETV	NVP	RPV
Contraceptives/HRT					
Drospirenone	■	■	■	■	◊
Dydrogesterone	■	■	■	■	◊
Estradiol	◊	◻	◊	◻	◊
Ethinylestradiol	◆	■	◆	■	◆
Etonogestrel	■	■	■	■	◊
Levonorgestrel	■	■	■	■	◊
Medroxyprogesterone (IM)	◊	■	◊	◆	◊
Medroxyprogesterone (oral)	■	■	■	■	◊
Norethisterone (Norethindrone)	◻	■	◆	■	◆
Norgestimate	◻	■	◻	◻	◊
Ulipristal	◻	◻	◻	◻	◊
Cytotoxics					
Bleomycin	◊	◊	◊	◊	◊
Cyclophosphamide	◻	◻	◻	■	◊
Cytarabine	◊	◊	◊	◊	◊
Dacarbazine	◻	◊	◊	◊	◊
Docetaxel	■	■	■	■	■
Doxorubicin	◊	◊	◊	◊	◊
Etoposide	◻	◻	◻	◻	◊
Irinotecan	◻	◻	◻	◻	◊
Paclitaxel	◻	◻	◻	■	◊
Tamoxifen	■	■	■	■	◊
Vinblastine	◻	◻	◻	◻	◊
Vincristine	◻	◻	◻	◻	◊
Erectile Dysfunctional Agents					
Sildenafil (Erectile Dysfunction)	■	■	■	■	◆
Tadalafil	◻	■	■	■	◊
Vardenafil	◻	■	■	■	◊
Gastrointestinal Agents					
Antacids	■	◆	◊	◆	■
Cimetidine	■	◆	◆	◆	■
Cisapride	●	●	■	■	■
Esomeprazole	■	◆	◆	◊	●
Famotidine	■	◆	◆	◊	■
Lansoprazole	■	◆	◆	◊	●
Loperamide	◊	◊	◊	◊	◊
Mesalazine	◊	◊	◊	◊	◊
Omeprazole	■	◆	◆	◊	●
Pantoprazole	■	◆	◆	◊	●
Rabeprazole	■	◆	◆	◊	●
Ranitidine	■	◆	◆	◊	■
Gastrointestinal Agents (anti-emetics)					
Domperidone	◻	◻	◻	◻	■
Dronabinol	◻	◻	◻	◻	◊
Metoclopramide	◊	◊	◊	◊	◊
Ondansetron	◊	◊	◊	◊	◊
Prochlorperazine	◊	◊	◊	◊	◊
General Anaesthetics & Muscle Relaxants					
Cisatracurium	◊	◊	◊	◊	◊
Desflurane	◊	◊	◊	◊	◊
Dexmedetomidine	◊	◻	◊	◻	◊
Enflurane	◊	◊	◊	◊	◊
Halothane	◊	◊	◊	◊	◊
Isoflurane	◊	◊	◊	◊	◊
Ketamine	◻	◻	◻	◻	◊
Propofol	◊	◻	◊	◻	◊
Rocuronium	◊	◻	◊	◊	◊
Sevoflurane	◊	◊	◊	◊	■
Sufentanil	◻	◻	◻	◻	◊
Suxamethonium (succinylcholine)	◊	◊	◊	◊	◊

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Herbals/Supplements/Vitamins					
Cyanocobalamin	◇	◇	◇	◇	◇
Echinacea	■	■	■	■	■
Folic acid	◇	◇	◇	◇	◇
Garlic	■	■	■	■	■
Ginkgo biloba	■	■	■	■	■
Grapefruit juice	◇	◆	◇	◇	◇
Hops (<i>Humulus lupulus</i>)	■	■	■	■	■
Milk thistle	■	■	■	■	■
Quercetin	◆	◆	◆	◆	◆
Seville orange juice	◇	◇	◇	◇	◇
St John's Wort	●	●	●	●	●
Valerian	◆	◆	◆	◆	◆
Vitamin E	◇	◇	◇	◇	◇
Hypertension / Heart Failure Agents					
Amiloride	◇	◇	◇	◇	◇
Bendroflumethiazide	◇	◇	◇	◇	◇
Bosentan	■	■	■	■	■
Candesartan	◇	◇	◇	◇	◇
Chlortalidone	◇	◇	◇	◇	◇
Cilazapril	◇	◇	◇	◇	◇
Doxazosin	■	■	■	■	■
Enalapril	◇	◇	◇	◇	◇
Furosemide	■	■	■	■	■
Indapamide	◇	◇	◇	◇	◇
Irbesartan	■	■	■	■	■
Lacidipine	■	■	■	■	■
Lercanidipine	■	■	■	■	■
Lisinopril	◇	◇	◇	◇	◇
Losartan	■	■	■	■	■
Olmesartan	◇	◇	◇	◇	◇
Perindopril	◇	◇	◇	◇	◇
Quinapril	◇	◇	◇	◇	◇
Ramipril	◇	◇	◇	◇	◇
Sildenafil (PAH)	■	■	■	■	◆
Telmisartan	◇	◇	◇	◇	◇
Trandolapril	◇	◇	◇	◇	◇
Valsartan	◇	◇	◇	◇	◇
Illicit/Recreational					
Alcohol	◇	◇	◇	◇	◇
Cocaine	■	■	■	■	■
Gamma-hydroxybutyrate	◇	◇	◇	◇	◇
Marijuana	◇	◇	◇	◇	◇
MDMA (Ecstasy)	■	◇	◇	◇	◇
Methamphetamine	■	◇	◇	◇	◇
Immune Modulators					
Hydroxyurea	◇	◇	◇	◇	◇
Interferon alpha	◇	◇	◇	◇	◇
Interleukin 2	◇	◇	◇	◇	◇
Peginterferon alfa-2a	◇	◇	◇	◇	◇

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Immunosuppressants					
Azathioprine	◇	◇	◇	◇	◇
Ciclosporin	■	■	■	■	■
Mycophenolate	■	■	■	■	◇
Sirolimus	■	■	■	■	◇
Tacrolimus	■	■	■	■	■
Lipid Lowering Agents					
Atorvastatin	■	■	■	■	◆
Bezafibrate	◇	◇	◇	◇	◇
Clofibrate	◇	◇	◇	◇	◇
Ezetimibe	◇	◇	◇	◇	◇
Fenofibrate	◇	◇	◇	◇	◇
Fish oils	◆	◆	◆	◆	◆
Fluvastatin	■	■	■	■	◇
Gemfibrozil	◇	◇	◇	◇	◇
Lovastatin	●	■	■	■	◇
Pravastatin	◆	■	■	■	◇
Rosuvastatin	◆	◆	■	◆	◇
Simvastatin	●	■	■	■	◇
Other					
Alendronic Acid	■	■	■	■	■
Alfuzosin	■	■	■	■	◇
Allopurinol	◇	◇	◇	◇	◇
Apomorphine	■	■	■	■	◇
Biperiden	◇	◇	◇	◇	◇
Caffeine	◇	◇	◇	◇	◇
Calcium	◇	◇	◇	◇	◇
Digoxin	■	■	■	■	◇
Disulfiram	◇	◇	◇	◇	◇
Dutasteride	■	■	■	■	◇
Ergometrine (Ergonovine)	●	●	○	■	■
Ibandronic acid	■	■	■	■	■
Isotretinoin	■	■	■	■	◇
Levodopa	◇	◇	◇	◇	◇
Nicorandil	◇	◇	◇	◇	◇
Orlistat	◇	◇	◇	◇	◇
Potassium	◇	◇	◇	◇	◇
Pramipexole	◇	◇	◇	◇	◇
Spirolactone	◇	◇	◇	◇	◇
Tamsulosin	■	■	■	■	◇
Torsemide	■	■	■	■	◇
Tranexamic acid	◇	◇	◇	◇	◇
Varenicline	◆	◆	◆	◆	◆
Steroids					
Budesonide	■	◇	◇	◇	◇
Dexamethasone	■	■	■	■	●
Fludrocortisone	■	■	■	■	◇
Fluticasone	■	■	■	■	◇
Hydrocortisone (oral)	■	■	■	■	◇
Hydrocortisone (topical)	◇	◇	◇	◇	◇
Megestrol acetate	◇	◇	◇	◇	◇
Mometasone	■	◇	◇	◇	◇
Nandrolone	◇	◇	◇	◇	◇
Oxandrolone	◆	◆	◆	◆	◆
Prednisolone	■	■	■	■	◇
Stanzazol	■	■	■	■	◇
Testosterone	■	■	■	■	◇

Key to abbreviations

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Filled symbols indicate further information on the interaction is available at www.hiv-druginteractions.org. Empty symbols indicate the combination has not been studied; an interaction has been predicted based on the metabolic profiles of the drugs.

●/○	These drugs should not be coadministered
■/□	Potential interaction – may require close monitoring, alteration of drug dosage or timing of administration
◆/◇	No clinically significant interaction expected
◆/◆	There are no clear data, actual or theoretical, to indicate whether an interaction will occur

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

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