

# Interactions with Experimental COVID-19 Therapies

Charts updated 18 March 2020

Page 1 of 4

Please check [www.covid19-druginteractions.org](http://www.covid19-druginteractions.org) for updates.

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister. No recommendation to use experimental therapy for COVID-19 is made. Drug interaction data for many agents are limited or absent; therefore, risk-benefit assessment for any individual patient rests with prescribers.

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Anaesthetics &amp; Muscle Relaxants</b>							
Alcuronium	◆	◆	▲	◆	◆	◆	◆
Bupivacaine	■	◆	◆	◆	◆	◆	◆
Cisatracurium	◆	◆	◆	◆	◆	◆	◆
Desflurane	◆	◆	◆	◆	◆	◆	◆
Dexmedetomidine	■	◆	◆	◆	◆	◆	◆
Enflurane	◆	◆	◆	◆	◆	◆	◆
Ephedrine	◆	◆	◆	◆	◆	◆	◆
Etidocaine	■	◆	◆	◆	◆	◆	◆
Halothane	◆	◆	◆	◆	◆	◆	◆
Isoflurane	◆	◆	◆	◆	◆	◆	◆
Ketamine	■	◆	◆	◆	◆	◆	◆
Minaxolone	■	◆	◆	◆	◆	◆	◆
Nitrous oxide	◆	◆	◆	◆	◆	◆	◆
Propofol	■	◆	◆	■	■	◆	◆
Rocuronium	■	◆	◆	◆	◆	◆	◆
Sevoflurane	■	◆	◆	■	■	◆	◆
Sufentanil	■	◆	◆	◆	◆	◆	◆
Suxamethonium (succinylcholine)	◆	◆	◆	◆	◆	◆	◆
Tetracaine	◆	◆	◆	◆	◆	◆	◆
Thiopental	◆	◆	◆	◆	◆	◆	◆
Tizanidine	■	◆	◆	■	■	◆	◆
Vecuronium	◆	◆	◆	◆	◆	◆	◆
<b>Analgesics</b>							
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	◆	◆	◆	◆	◆	◆	◆
Remifentanyl	◆	◆	◆	◆	◆	◆	◆
Tapentadol	◆	◆	◆	◆	◆	◆	◆
Tramadol	▲	◆	◆	◆	◆	◆	◆
<b>Antiarrhythmics</b>							
Amiodarone	●	◆	◆	●	●	◆	◆
Bepidil	●	◆	◆	●	●	◆	◆
Disopyramide	●	◆	◆	■	■	◆	◆
Dofetilide	●	◆	◆	■	■	◆	◆
Flecainide	●	◆	◆	●	●	◆	◆
Lidocaine (Lignocaine)	■	◆	◆	◆	◆	◆	◆
Mexiletine	■	◆	◆	●	●	◆	◆
Propafenone	■	◆	◆	■	■	◆	◆
Quinidine	■	◆	◆	■	■	◆	◆

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Antibacterials</b>							
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	◆	◆	◆	◆	◆	◆	◆
Flucloxacillin	◆	◆	▲	◆	◆	◆	◆
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	◆	◆	◆	◆	◆	◆	◆

**Key to abbreviations**

LPV/r	Lopinavir/ritonavir	CLQ	Chloroquine
RDV	Remdesivir	HCLQ	Hydroxychloroquine
FAVI	Favipiravir	NITA	Nitazoxanide
		RBV	Ribavirin

**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

# Interactions with Experimental COVID-19 Therapies

Charts updated 18 March 2020

Page 2 of 4

Please check [www.covid19-druginteractions.org](http://www.covid19-druginteractions.org) for updates.

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister. No recommendation to use experimental therapy for COVID-19 is made. Drug interaction data for many agents are limited or absent; therefore, risk-benefit assessment for any individual patient rests with prescribers.

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Anti-coagulant, Anti-platelet and Fibrinolytic</b>							
Acenocoumarol	■	◆	◆	◆	◆	■	◆
Apixaban	●	◆	◆	▲	▲	◆	◆
Argatroban	◆	◆	◆	◆	◆	◆	◆
Aspirin (anti-platelet)	◆	◆	◆	◆	◆	◆	◆
Betrixaban	■	◆	◆	■	■	◆	◆
Clopidogrel	●	◆	◆	◆	◆	◆	◆
Dabigatran	■	◆	◆	■	■	◆	◆
Dalteparin	◆	◆	◆	◆	◆	◆	◆
Dipyridamole	■	◆	◆	◆	◆	◆	◆
Edoxaban	■	◆	◆	■	■	◆	◆
Eltrombopag	■	◆	◆	◆	◆	◆	◆
Enoxaparin	◆	◆	◆	◆	◆	◆	◆
Fondaparinux	◆	◆	◆	◆	◆	◆	◆
Heparin	◆	◆	◆	◆	◆	◆	◆
Phenprocoumon	■	◆	◆	◆	◆	■	◆
Prasugrel	◆	◆	◆	◆	◆	◆	◆
Rivaroxaban	●	◆	◆	▲	▲	◆	◆
Streptokinase	◆	◆	◆	◆	◆	◆	◆
Ticagrelor	●	◆	◆	◆	◆	◆	◆
Warfarin	■	◆	◆	◆	◆	■	■
<b>Antidepressants</b>							
Agomelatine	■	◆	◆	◆	◆	◆	◆
Amitriptyline	■	◆	◆	■	■	◆	◆
Bupropion	■	◆	◆	◆	◆	◆	◆
Citalopram	■	◆	◆	■	■	◆	◆
Clomipramine	■	◆	◆	■	■	◆	◆
Desipramine	■	◆	◆	■	■	◆	◆
Doxepin	▲	◆	◆	◆	◆	◆	◆
Duloxetine	▲	◆	◆	◆	◆	◆	◆
Escitalopram	■	◆	◆	■	■	◆	◆
Fluoxetine	▲	◆	◆	◆	◆	◆	◆
Fluvoxamine	▲	◆	◆	◆	◆	◆	◆
Imipramine	■	◆	◆	■	■	◆	◆
Lithium	■	◆	◆	■	■	◆	◆
Maprotiline	■	◆	◆	■	■	◆	◆
Mianserin	▲	◆	◆	◆	◆	◆	◆
Milnacipran	◆	◆	◆	◆	◆	◆	◆
Mirtazapine	■	◆	◆	◆	◆	◆	◆
Nefazodone	■	◆	◆	◆	◆	◆	◆
Nortriptyline	■	◆	◆	■	■	◆	◆
Paroxetine	■	◆	◆	◆	◆	◆	◆
Phenelzine	◆	◆	◆	◆	◆	◆	◆
Reboxetine	■	◆	◆	◆	◆	◆	◆
Sertraline	■	◆	◆	◆	◆	◆	◆
St John's wort	●	●	◆	●	●	◆	◆
Tranlycypromine	■	◆	◆	◆	◆	◆	◆
Trazodone	■	◆	◆	■	■	◆	◆
Trimipramine	▲	◆	◆	◆	◆	◆	◆
Venlafaxine	▲	◆	◆	◆	◆	◆	◆
Vortioxetine	▲	◆	◆	◆	◆	◆	◆

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Anti-diabetics</b>							
Acarbose	◆	◆	◆	◆	◆	◆	◆
Canagliflozin	■	◆	◆	◆	◆	◆	◆
Dapagliflozin	◆	◆	◆	◆	◆	◆	◆
Dulaglutide	◆	◆	◆	◆	◆	◆	◆
Empagliflozin	◆	◆	◆	◆	◆	◆	◆
Exanatide	◆	◆	◆	◆	◆	◆	◆
Glibenclamide (Glyburide)	■	◆	◆	◆	◆	◆	◆
Gliclazide	■	◆	◆	◆	◆	◆	◆
Glimepiride	■	◆	◆	◆	◆	◆	◆
Glipizide	■	◆	◆	◆	◆	◆	◆
Insulin	◆	◆	◆	◆	◆	◆	◆
Linagliptin	◆	◆	◆	◆	◆	◆	◆
Liraglutide	◆	◆	◆	◆	◆	◆	◆
Metformin	◆	◆	◆	◆	◆	◆	◆
Nateglinide	■	◆	◆	◆	◆	◆	◆
Pioglitazone	▲	◆	■	◆	◆	◆	◆
Repaglinide	■	◆	■	◆	◆	◆	◆
Rosiglitazone	▲	◆	■	◆	◆	◆	◆
Saxagliptin	■	◆	◆	◆	◆	◆	◆
Sitagliptin	◆	◆	◆	◆	◆	◆	◆
Tolbutamide	■	◆	◆	◆	◆	◆	◆
Vildagliptin	◆	◆	◆	◆	◆	◆	◆
<b>Antipsychotics/Neuroleptics</b>							
Amisulpride	◆	◆	◆	◆	◆	◆	◆
Aripiprazole	■	◆	◆	◆	◆	◆	◆
Asenapine	■	◆	◆	◆	◆	◆	◆
Chlorpromazine	■	◆	◆	■	■	◆	◆
Clozapine	■	◆	◆	■	■	◆	■
Fluphenazine	■	◆	◆	■	■	◆	◆
Haloperidol	■	◆	◆	■	■	◆	◆
Iloperidone	■	◆	◆	■	■	◆	◆
Levomepromazine	■	◆	◆	■	■	◆	◆
Olanzapine	■	◆	◆	◆	◆	◆	◆
Paliperidone	▲	◆	◆	◆	◆	◆	◆
Perazine	■	◆	◆	◆	◆	◆	◆
Pericazine	■	◆	◆	◆	◆	◆	◆
Perphenazine	■	◆	◆	■	■	◆	◆
Pimozide	●	◆	◆	■	■	◆	◆
Pipotiazine	■	◆	◆	■	■	◆	◆
Quetiapine	●	◆	◆	■	■	◆	◆
Risperidone	■	◆	◆	■	■	◆	◆
Sulpiride	■	◆	◆	■	■	◆	◆
Thioridazine	■	◆	◆	■	■	◆	◆
Tiapride	■	◆	◆	■	■	◆	◆
Ziprasidone	●	◆	◆	●	●	◆	◆
Zotepine	■	◆	◆	■	■	◆	◆
Zuclopenthixol	■	◆	◆	■	■	◆	◆
<b>Antivirals</b>							
Lopinavir/ritonavir	■	◆	◆	■	■	◆	◆
Remdesivir	◆	■	◆	◆	◆	◆	◆
Favipiravir	◆	◆	■	◆	◆	◆	◆
Chloroquine	■	◆	◆	■	●	◆	◆
Hydroxychloroquine	■	◆	◆	●	■	◆	◆
Nitazoxanide	◆	◆	◆	◆	■	◆	◆
Ribavirin	◆	◆	◆	◆	◆	■	◆
Oseltamivir	◆	◆	◆	◆	◆	◆	◆

**Key to abbreviations**

LPV/r	Lopinavir/ritonavir	CLQ	Chloroquine
RDV	Remdesivir	HCLQ	Hydroxychloroquine
FAVI	Favipiravir	NITA	Nitazoxanide
		RBV	Ribavirin

**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

# Interactions with Experimental COVID-19 Therapies

Charts updated 18 March 2020

Page 3 of 4

Please check [www.covid19-druginteractions.org](http://www.covid19-druginteractions.org) for updates.

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister. No recommendation to use experimental therapy for COVID-19 is made. Drug interaction data for many agents are limited or absent; therefore, risk-benefit assessment for any individual patient rests with prescribers.

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Anxiolytics/Hypnotics/Sedatives</b>							
Alprazolam	■	◆	◆	◆	◆	◆	◆
Bromazepam	▲	◆	◆	◆	◆	◆	◆
Bupirone	■	◆	◆	◆	◆	◆	◆
Chlordiazepoxide	■	◆	◆	◆	◆	◆	◆
Clobazam	■	◆	◆	◆	◆	◆	◆
Clorazepate	■	◆	◆	◆	◆	◆	◆
Diazepam	■	◆	◆	◆	◆	◆	◆
Estazolam	■	◆	◆	◆	◆	◆	◆
Flunitrazepam	■	◆	◆	◆	◆	◆	◆
Flurazepam	■	◆	◆	◆	◆	◆	◆
Hydroxyzine	■	◆	◆	◆	◆	◆	◆
Lorazepam	◆	◆	◆	◆	◆	◆	◆
Lormetazepam	◆	◆	◆	◆	◆	◆	◆
Midazolam (oral)	●	◆	◆	◆	◆	◆	◆
Midazolam (parenteral)	■	◆	◆	◆	◆	◆	◆
Oxazepam	◆	◆	◆	◆	◆	◆	◆
Temazepam	◆	◆	◆	◆	◆	◆	◆
Triazolam	●	◆	◆	◆	◆	◆	◆
Zaleplon	▲	◆	◆	◆	◆	◆	◆
Zolpidem	■	◆	◆	◆	◆	◆	◆
Zopiclone	■	◆	◆	◆	◆	◆	◆
<b>Beta Blockers</b>							
Atenolol	■	◆	◆	◆	◆	◆	◆
Bisoprolol	■	◆	◆	◆	◆	◆	◆
Carvedilol	■	◆	◆	◆	◆	◆	◆
Metoprolol	■	◆	◆	▲	▲	◆	◆
Nebivolol	■	◆	◆	▲	▲	◆	◆
Oxprenolol	■	◆	◆	◆	◆	◆	◆
Pindolol	■	◆	◆	◆	◆	◆	◆
Propranolol	■	◆	◆	▲	▲	◆	◆
Timolol	■	◆	◆	▲	▲	◆	◆
<b>Bronchodilators</b>							
Acidinium bromide	◆	◆	◆	◆	◆	◆	◆
Aminophylline	■	◆	◆	◆	◆	◆	◆
Formoterol	■	◆	◆	◆	◆	◆	◆
Glycopyrronium bromide	◆	◆	◆	◆	◆	◆	◆
Indacaterol	◆	◆	◆	◆	◆	◆	◆
Ipratropium bromide	◆	◆	◆	◆	◆	◆	◆
Montelukast	▲	◆	▲	◆	◆	◆	◆
Olodaterol	▲	◆	◆	◆	◆	◆	◆
Roflumilast	▲	◆	◆	◆	◆	◆	◆
Salbutamol	◆	◆	◆	◆	◆	◆	◆
Salmeterol	■	◆	◆	■	■	◆	◆
Theophylline	■	◆	◆	◆	◆	◆	◆
Tiotropium bromide	◆	◆	◆	◆	◆	◆	◆
Umeclidinium bromide	▲	◆	◆	▲	▲	◆	◆
Vilanterol	▲	◆	◆	◆	◆	◆	◆
<b>Calcium Channel Blockers</b>							
Amlodipine	■	◆	◆	◆	◆	◆	◆
Diltiazem	■	◆	◆	◆	◆	◆	◆
Felodipine	■	◆	◆	◆	◆	◆	◆
Nicardipine	■	◆	◆	◆	◆	◆	◆
Nifedipine	■	◆	◆	◆	◆	◆	◆
Nisoldipine	■	◆	◆	◆	◆	◆	◆
Nitrendipine	■	◆	◆	◆	◆	◆	◆
Verapamil	■	◆	◆	▲	▲	◆	◆

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Contraceptives/HRT</b>							
Desogestrel (COC)	■	◆	▲	◆	◆	◆	◆
Desogestrel (POP)	▲	◆	▲	◆	◆	◆	◆
Drospirenone (COC)	■	◆	▲	◆	◆	◆	◆
Drospirenone (HRT)	■	◆	◆	◆	◆	◆	◆
Dydrogesterone (HRT)	■	◆	▲	◆	◆	◆	◆
Estradiol	■	◆	▲	◆	◆	◆	◆
Ethinylestradiol	■	◆	▲	◆	◆	◆	◆
Etonogestrel (implant)	▲	◆	▲	◆	◆	◆	◆
Etonogestrel (vaginal ring)	■	◆	▲	◆	◆	◆	◆
Gestodene (COC)	■	◆	▲	◆	◆	◆	◆
Levonorgestrel (COC)	■	◆	▲	◆	◆	◆	◆
Levonorgestrel (emergency contrac.)	▲	◆	▲	◆	◆	◆	◆
Levonorgestrel (HRT)	■	◆	▲	◆	◆	◆	◆
Levonorgestrel (implant)	▲	◆	▲	◆	◆	◆	◆
Levonorgestrel (IUD)	◆	◆	◆	◆	◆	◆	◆
Levonorgestrel (POP)	▲	◆	▲	◆	◆	◆	◆
Medroxyprogesterone (depot inj.)	◆	◆	◆	◆	◆	◆	◆
Medroxyprogesterone (oral)	■	◆	▲	◆	◆	◆	◆
Norelgestromin (patch)	■	◆	▲	◆	◆	◆	◆
Norethisterone (COC)	■	◆	▲	◆	◆	◆	◆
Norethisterone (HRT)	■	◆	▲	◆	◆	◆	◆
Norethisterone (IM depot)	◆	◆	▲	◆	◆	◆	◆
Norethisterone(POP)	▲	◆	▲	◆	◆	◆	◆
Norgestimate (COC)	■	◆	▲	◆	◆	◆	◆
Norgestrel (COC)	■	◆	▲	◆	◆	◆	◆
Norgestrel (HRT)	■	◆	▲	◆	◆	◆	◆
Ulipristal	▲	◆	▲	◆	◆	◆	◆
<b>Gastrointestinal Agents</b>							
Alosetron	■	◆	◆	◆	◆	◆	◆
Antacids	◆	◆	◆	■	■	◆	◆
Bisacodyl	◆	◆	◆	◆	◆	◆	◆
Cimetidine	◆	◆	◆	◆	◆	◆	◆
Cisapride	●	◆	◆	■	■	◆	◆
Esomeprazole	◆	◆	◆	◆	◆	◆	◆
Famotidine	◆	◆	◆	◆	◆	◆	◆
Lactulose	◆	◆	◆	◆	◆	◆	◆
Lansoprazole	◆	◆	◆	◆	◆	◆	◆
Loperamide	■	◆	◆	◆	◆	◆	◆
Mesalazine	◆	◆	◆	◆	◆	◆	◆
Omeprazole	◆	◆	◆	◆	◆	◆	◆
Pantoprazole	◆	◆	◆	◆	◆	◆	◆
Prucalopride	◆	◆	◆	◆	◆	◆	◆
Rabeprazole	◆	◆	◆	◆	◆	◆	◆
Ranitidine	◆	◆	◆	◆	◆	◆	◆
Senna	◆	◆	◆	◆	◆	◆	◆
<b>Gastrointestinal Agents (anti-emetics)</b>							
Aprepitant	■	◆	◆	◆	◆	◆	◆
Dolasetron	■	◆	◆	■	■	◆	◆
Domperidone	●	◆	◆	■	■	◆	◆
Dronabinol	▲	◆	◆	◆	◆	◆	◆
Granisetron	■	◆	◆	■	■	◆	◆
Metoclopramide	◆	◆	◆	◆	◆	◆	◆
Ondansetron	■	◆	◆	■	■	◆	◆
Prochlorperazine	■	◆	◆	■	■	◆	◆

**Key to abbreviations**

LPV/r	Lopinavir/ritonavir	CLQ	Chloroquine
RDV	Remdesivir	HCLQ	Hydroxychloroquine
FAVI	Favipiravir	NITA	Nitazoxanide
		RBV	Ribavirin

**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

# Interactions with Experimental COVID-19 Therapies

Charts updated 18 March 2020

Page 4 of 4

Please check [www.covid19-druginteractions.org](http://www.covid19-druginteractions.org) for updates.

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister. No recommendation to use experimental therapy for COVID-19 is made. Drug interaction data for many agents are limited or absent; therefore, risk-benefit assessment for any individual patient rests with prescribers.

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Hypertension / Heart Failure Agents</b>							
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	◆	◆	◆	◆	◆	◆	◆
Spirololactone	◆	◆	◆	◆	◆	◆	◆
Tadalafil (PAH)	■	◆	◆	◆	◆	◆	◆
Telmisartan	◆	◆	◆	◆	◆	◆	◆
Terazosin	■	◆	◆	◆	◆	◆	◆
Torsemide	▲	◆	◆	◆	◆	◆	◆
Trandolapril	◆	◆	◆	◆	◆	◆	◆
Treprostinil	◆	◆	■	◆	◆	◆	◆
Valsartan	■	◆	◆	◆	◆	◆	◆
Xipamide	◆	◆	◆	◆	◆	◆	◆

	LPV/r	RDV	FAVI	CLQ	HCLQ	NITA	RBV
<b>Immunosuppressants</b>							
Adalimumab	◆	◆	◆	■	■	◆	■
Anti-thymocyte globulin	◆	◆	◆	◆	◆	◆	◆
Azathioprine	◆	◆	◆	■	■	◆	■
Basiliximab	◆	◆	◆	◆	◆	◆	◆
Belatacept	◆	◆	◆	◆	◆	◆	◆
Ciclosporin	■	◆	◆	■	■	◆	◆
Mycophenolate	■	◆	◆	◆	◆	◆	◆
Sirolimus	●	◆	◆	■	■	◆	◆
Tacrolimus	■	◆	◆	■	■	◆	◆
<b>Inotropes &amp; Vasopressors</b>							
Adrenaline (Epinephrine)	◆	●	◆	◆	◆	◆	◆
Dobutamine	◆	●	◆	◆	◆	◆	◆
Noradrenaline	◆	●	◆	◆	◆	◆	◆
Vasopressin	◆	●	◆	◆	◆	◆	◆
<b>Lipid Lowering Agents</b>							
Atorvastatin	■	◆	◆	◆	◆	◆	◆
Bezafibrate	◆	◆	◆	◆	◆	◆	◆
Clofibrate	◆	◆	◆	◆	◆	◆	◆
Evolocumab	◆	◆	◆	◆	◆	◆	◆
Ezetimibe	◆	◆	◆	◆	◆	◆	◆
Fenofibrate	◆	◆	◆	◆	◆	◆	◆
Fish oils	◆	◆	◆	◆	◆	◆	◆
Fluvastatin	◆	◆	◆	◆	◆	◆	◆
Gemfibrozil	▲	◆	◆	◆	◆	◆	◆
Lovastatin	●	◆	◆	◆	◆	◆	◆
Pitavastatin	◆	◆	◆	◆	◆	◆	◆
Pravastatin	◆	◆	◆	◆	◆	◆	◆
Rosuvastatin	■	◆	◆	◆	◆	◆	◆
Simvastatin	●	◆	◆	◆	◆	◆	◆
<b>Steroids</b>							
Beclometasone	◆	◆	◆	◆	◆	◆	◆
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**

LPV/r	Lopinavir/ritonavir	CLQ	Chloroquine
RDV	Remdesivir	HCLQ	Hydroxychloroquine
FAVI	Favipiravir	NITA	Nitazoxanide
		RBV	Ribavirin

**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