

# Interactions with Experimental COVID-19 Immune Therapies

Charts updated 24 September 2020

Page 1 of 5

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.

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<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	◆	◆	◆	■	■	◆	◆	◆
Metamizole	●	●	●	■	■	●	●	●
Methadone	◆	◆	◆	◆	◆	◆	◆	◆
Morphine	◆	◆	◆	◆	◆	◆	◆	◆
Naproxen	◆	◆	◆	■	■	◆	◆	◆
Nimesulide	◆	◆	◆	■	■	◆	◆	◆
Oxycodone	▲	◆	▲	◆	◆	◆	▲	▲
Paracetamol (Acetaminophen)	◆	◆	◆	◆	◆	◆	◆	◆
Pethidine (Meperidine)	◆	◆	◆	◆	◆	◆	◆	◆
Piroxicam	◆	◆	◆	■	■	◆	◆	◆
Remifentanil	◆	◆	◆	◆	◆	◆	◆	◆
Tapentadol	◆	◆	◆	◆	◆	◆	◆	◆
Tramadol	◆	◆	◆	◆	◆	◆	◆	◆
<b>Antiarrhythmics</b>								
Amiodarone	▲	◆	▲	■	■	◆	▲	▲
Bepidil	◆	◆	◆	■	■	◆	◆	◆
Disopyramide	◆	◆	◆	■	■	◆	◆	◆
Dofetilide	◆	◆	◆	■	■	◆	◆	◆
Flecainide	◆	◆	◆	■	■	◆	◆	◆
Lidocaine (Lignocaine)	◆	◆	◆	■	■	◆	◆	◆
Mexiletine	◆	◆	◆	■	■	◆	◆	◆
Propafenone	◆	◆	◆	■	■	◆	◆	◆
Quinidine	▲	◆	▲	■	■	◆	▲	▲

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<b>Antibacterials</b>								
Amikacin	◆	◆	◆	◆	◆	◆	◆	◆
Amoxicillin	◆	◆	◆	◆	◆	◆	◆	◆
Ampicillin	◆	◆	◆	◆	◆	◆	◆	◆
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**

ANR	Anakinra	HC	Hydrocortisone
BAR	Baricitinib	RUX	Ruxolitinib
CAN	Canakinumab	SAR	Sarilumab
DXM	Dexamethasone	TCZ	Tocilizumab

**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 Immune Therapies

Charts updated 24 September 2020

Page 2 of 5

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.

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<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	▲	◆	▲	◆	◆	◆	▲	▲
Tinzaparin	◆	◆	◆	◆	◆	◆	◆	◆
Warfarin	▲	◆	▲	■	■	◆	▲	▲
<b>Anticonvulsants</b>								
Carbamazepine	▲	◆	▲	■	■	■	▲	▲
Clonazepam	◆	◆	◆	◆	◆	◆	◆	◆
Eslicarbazepine	◆	◆	◆	■	■	■	◆	◆
Ethosuximide	◆	◆	◆	◆	◆	◆	◆	◆
Gabapentin	◆	◆	◆	◆	◆	◆	◆	◆
Lacosamide	◆	◆	◆	◆	◆	◆	◆	◆
Lamotrigine	◆	◆	◆	◆	◆	◆	◆	◆
Levetiracetam	◆	◆	◆	◆	◆	◆	◆	◆
Oxcarbazepine	◆	◆	◆	■	■	■	◆	◆
Perampanel	◆	◆	◆	◆	◆	◆	◆	◆
Phenobarbital (Phenobarbitone)	▲	◆	▲	■	■	■	▲	▲
Phenytoin	▲	◆	▲	■	■	■	▲	▲
Pregabalin	◆	◆	◆	◆	◆	◆	◆	◆
Primidone	▲	◆	▲	■	■	■	▲	▲
Retigabine	◆	◆	◆	◆	◆	◆	◆	◆
Rufinamide	◆	◆	◆	■	■	■	◆	◆
Sultiame	◆	◆	◆	◆	◆	▲	◆	◆
Tiagabine	◆	◆	◆	◆	◆	◆	◆	◆
Topiramate	◆	◆	◆	◆	◆	■	◆	◆
Valproate (Divalproex)	◆	◆	◆	◆	◆	◆	◆	◆
Vigabatrin	◆	◆	◆	◆	◆	◆	◆	◆
Zonisamide	◆	◆	◆	◆	◆	◆	◆	◆

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<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	◆	◆	◆	◆	◆	◆	◆	◆
<b>Anti-diabetics</b>								
Acarbose	◆	◆	◆	◆	◆	◆	◆	◆
Canagliflozin	◆	◆	◆	■	■	◆	◆	◆
Dapagliflozin	◆	◆	◆	■	■	◆	◆	◆
Dulaglutide	◆	◆	◆	■	■	◆	◆	◆
Empagliflozin	◆	◆	◆	■	■	■	◆	◆
Exenatide	◆	◆	◆	■	■	◆	◆	◆
Glibenclamide (Glyburide)	◆	◆	◆	■	■	◆	◆	◆
Gliclazide	◆	◆	◆	■	■	◆	◆	◆
Glimepiride	◆	◆	◆	■	■	◆	◆	◆
Glipizide	◆	◆	◆	■	■	◆	◆	◆
Insulin	◆	◆	◆	■	■	◆	◆	◆
Linagliptin	◆	◆	◆	■	■	◆	◆	◆
Liraglutide	◆	◆	◆	■	■	◆	◆	◆
Metformin	◆	◆	◆	■	■	◆	◆	◆
Nateglinide	◆	◆	◆	■	■	◆	◆	◆
Pioglitazone	◆	◆	◆	■	■	◆	◆	◆
Repaglinide	◆	◆	◆	■	■	◆	◆	◆
Rosiglitazone	◆	◆	◆	■	■	◆	◆	◆
Saxagliptin	◆	◆	◆	■	■	◆	◆	◆
Sitagliptin	◆	◆	◆	■	■	◆	◆	◆
Tolbutamide	◆	◆	◆	■	■	◆	◆	◆
Vildagliptin	◆	◆	◆	■	■	◆	◆	◆

**Key to abbreviations**

ANR	Anakinra	HC	Hydrocortisone
BAR	Baricitinib	RUX	Ruxolitinib
CAN	Canakinumab	SAR	Sarilumab
DXM	Dexamethasone	TCZ	Tocilizumab

**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 Immune Therapies

Charts updated 24 September 2020

Page 3 of 5

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.

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<b>Antifungals</b>								
Amphotericin B	◆	◆	◆	■	■	◆	◆	◆
Anidulafungin	◆	◆	◆	◆	◆	◆	◆	◆
Caspofungin	◆	◆	◆	◆	◆	◆	◆	◆
Fluconazole	◆	◆	◆	◆	◆	■	◆	◆
Flucytosine	◆	◆	◆	◆	◆	◆	◆	◆
Griseofulvin	◆	◆	◆	■	■	■	◆	◆
Isavuconazole	◆	◆	◆	◆	◆	■	◆	◆
Itraconazole	◆	◆	◆	◆	◆	■	◆	◆
Ketoconazole	◆	◆	◆	◆	◆	■	◆	◆
Micafungin	◆	◆	◆	◆	◆	◆	◆	◆
Miconazole	◆	◆	◆	◆	◆	■	◆	◆
Nystatin	◆	◆	◆	◆	◆	◆	◆	◆
Posaconazole	◆	◆	◆	◆	◆	■	◆	◆
Terbinafine	◆	◆	◆	◆	◆	◆	◆	◆
Voriconazole	◆	◆	◆	◆	◆	■	◆	◆
<b>Antipsychotics/Neuroleptics</b>								
Amisulpride	◆	◆	◆	◆	◆	◆	◆	◆
Aripiprazole	◆	◆	◆	◆	◆	◆	◆	◆
Asenapine	◆	◆	◆	◆	◆	◆	◆	◆
Chlorpromazine	◆	◆	◆	◆	◆	◆	◆	◆
Clozapine	■	■	■	◆	◆	■	■	■
Fluphenazine	◆	◆	◆	◆	◆	◆	◆	◆
Haloperidol	◆	◆	◆	◆	◆	◆	◆	◆
Iloperidone	◆	◆	◆	◆	◆	◆	◆	◆
Levomepromazine	◆	◆	◆	◆	◆	◆	◆	◆
Olanzapine	◆	◆	◆	◆	◆	◆	◆	◆
Paliperidone	◆	◆	◆	◆	◆	◆	◆	◆
Perazine	◆	◆	◆	◆	◆	◆	◆	◆
Periciazine	◆	◆	◆	◆	◆	◆	◆	◆
Perphenazine	◆	◆	◆	◆	◆	◆	◆	◆
Pimozide	◆	◆	◆	◆	◆	◆	◆	◆
Pipotiazine	◆	◆	◆	◆	◆	◆	◆	◆
Quetiapine	◆	◆	◆	◆	◆	◆	◆	◆
Risperidone	◆	◆	◆	◆	◆	◆	◆	◆
Sulpiride	◆	◆	◆	◆	◆	◆	◆	◆
Thioridazine	◆	◆	◆	■	■	■	◆	◆
Tiapride	◆	◆	◆	◆	◆	◆	◆	◆
Ziprasidone	◆	◆	◆	◆	◆	◆	◆	◆
Zotepine	◆	◆	◆	◆	◆	◆	◆	◆
Zuclophenthixol	◆	◆	◆	◆	◆	◆	◆	◆

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<b>Anxiolytics/Hypnotics/Sedatives</b>								
Alprazolam	◆	◆	◆	◆	◆	◆	◆	◆
Bromazepam	◆	◆	◆	◆	◆	◆	◆	◆
Buspirone	◆	◆	◆	◆	◆	◆	◆	◆
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>								
Acclidinium 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	◆	◆	◆	◆	◆	■	◆	◆

**Key to abbreviations**

ANR	Anakinra	HC	Hydrocortisone
BAR	Baricitinib	RUX	Ruxolitinib
CAN	Canakinumab	SAR	Sarilumab
DXM	Dexamethasone	TCZ	Tocilizumab

**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 Immune Therapies

Charts updated 24 September 2020

Page 4 of 5

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.

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<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>Covid-19 Antiviral Therapies</b>								
Atazanavir	◆	◆	◆	◆	◆	◆	◆	◆
Azithromycin	◆	◆	◆	◆	◆	◆	◆	◆
Chloroquine	◆	◆	◆	◆	◆	◆	◆	◆
Favipiravir	◆	◆	◆	◆	◆	◆	◆	◆
Hydroxychloroquine	◆	◆	◆	◆	◆	◆	◆	◆
Interferon beta	◆	◆	◆	◆	◆	◆	◆	◆
Ivermectin	◆	◆	◆	◆	◆	◆	◆	◆
Lopinavir/ritonavir	◆	◆	◆	◆	◆	◆	◆	◆
Nitazoxanide	◆	◆	◆	◆	◆	◆	◆	◆
Remdesivir	◆	◆	◆	◆	◆	◆	◆	◆
Ribavirin	◆	◆	◆	◆	◆	◆	◆	◆
<b>Covid-19 Immune Therapies</b>								
Anakinra	◆	◆	◆	◆	◆	◆	◆	◆
Baricitinib	◆	◆	◆	◆	◆	◆	◆	◆
Canakinumab	◆	◆	◆	◆	◆	◆	◆	◆
Dexamethasone	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocortisone (oral or IV)	◆	◆	◆	◆	◆	◆	◆	◆
Ruxolitinib	◆	◆	◆	◆	◆	◆	◆	◆
Sarilumab	◆	◆	◆	◆	◆	◆	◆	◆
Tocilizumab	◆	◆	◆	◆	◆	◆	◆	◆
<b>Gastrointestinal Agents</b>								
Alosetron	◆	◆	◆	◆	◆	◆	◆	◆
Antacids	◆	◆	◆	◆	◆	◆	◆	◆
Bisacodyl	◆	◆	◆	◆	◆	◆	◆	◆
Cimetidine	◆	◆	◆	◆	◆	◆	◆	◆
Cisapride	◆	◆	◆	◆	◆	◆	◆	◆
Esomeprazole	◆	◆	◆	◆	◆	◆	◆	◆
Famotidine	◆	◆	◆	◆	◆	◆	◆	◆
Lactulose	◆	◆	◆	◆	◆	◆	◆	◆
Lansoprazole	◆	◆	◆	◆	◆	◆	◆	◆
Loperamide	◆	◆	◆	◆	◆	◆	◆	◆
Mesalazine	◆	◆	◆	◆	◆	◆	◆	◆
Omeprazole	◆	◆	◆	◆	◆	◆	◆	◆
Pantoprazole	◆	◆	◆	◆	◆	◆	◆	◆
Prucalopride	◆	◆	◆	◆	◆	◆	◆	◆
Rabeprazole	◆	◆	◆	◆	◆	◆	◆	◆
Ranitidine	◆	◆	◆	◆	◆	◆	◆	◆
Senna	◆	◆	◆	◆	◆	◆	◆	◆

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<b>Gastrointestinal Agents (anti-emetics)</b>								
Aprepitant	◆	◆	◆	◆	◆	◆	◆	◆
Cyclizine	◆	◆	◆	◆	◆	◆	◆	◆
Dolasetron	◆	◆	◆	◆	◆	◆	◆	◆
Domperidone	◆	◆	◆	◆	◆	◆	◆	◆
Dronabinol	◆	◆	◆	◆	◆	◆	◆	◆
Granisetron	◆	◆	◆	◆	◆	◆	◆	◆
Metoclopramide	◆	◆	◆	◆	◆	◆	◆	◆
Ondansetron	◆	◆	◆	◆	◆	◆	◆	◆
Prochlorperazine	◆	◆	◆	◆	◆	◆	◆	◆
<b>HCV DAAs</b>								
Elbasvir/Grazoprevir	◆	◆	◆	◆	◆	◆	◆	◆
Glecaprevir/Pibentavir	◆	◆	◆	◆	◆	◆	◆	◆
Ledipasvir/Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆
Ombitasvir/Paritaprevir/r	◆	◆	◆	◆	◆	◆	◆	◆
Ombitasvir/Paritaprevir/r + Dasabuvir	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir/Velpatasvir	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir/Velpatasvir/Voxilaprevir	◆	◆	◆	◆	◆	◆	◆	◆
<b>HIV Antiretroviral Therapies</b>								
Abacavir	◆	◆	◆	◆	◆	◆	◆	◆
Albuvirtide	◆	◆	◆	◆	◆	◆	◆	◆
Atazanavir + ritonavir	◆	◆	◆	◆	◆	◆	◆	◆
Atazanavir/cobicistat	◆	◆	◆	◆	◆	◆	◆	◆
Bictegravir/Emtricitabine/TAF	◆	◆	◆	◆	◆	◆	◆	◆
Darunavir + ritonavir	◆	◆	◆	◆	◆	◆	◆	◆
Darunavir/cobicistat	◆	◆	◆	◆	◆	◆	◆	◆
Darunavir/Cobi/Emtricitabine/TAF	◆	◆	◆	◆	◆	◆	◆	◆
Dolutegravir	◆	◆	◆	◆	◆	◆	◆	◆
Dolutegravir/Lamivudine	◆	◆	◆	◆	◆	◆	◆	◆
Dolutegravir/Rilpivirine	◆	◆	◆	◆	◆	◆	◆	◆
Dolutegravir/Abacavir/Lamivudine	◆	◆	◆	◆	◆	◆	◆	◆
Doravirine	◆	◆	◆	◆	◆	◆	◆	◆
Doravirine/Lamivudine/Tenofovir-DF	◆	◆	◆	◆	◆	◆	◆	◆
Efavirenz	◆	◆	◆	◆	◆	◆	◆	◆
Elvitegravir/Cobi/Emtricitabine/TAF	◆	◆	◆	◆	◆	◆	◆	◆
Elvitegravir/Cobi/Emtricitabine/TDF	◆	◆	◆	◆	◆	◆	◆	◆
Emtricitabine	◆	◆	◆	◆	◆	◆	◆	◆
Emtricitabine/Tenofovir alafenamide	◆	◆	◆	◆	◆	◆	◆	◆
Emtricitabine/Tenofovir-DF	◆	◆	◆	◆	◆	◆	◆	◆
Etravirine	◆	◆	◆	◆	◆	◆	◆	◆
Ibalizumab-uyk	◆	◆	◆	◆	◆	◆	◆	◆
Lamivudine	◆	◆	◆	◆	◆	◆	◆	◆
Maraviroc	◆	◆	◆	◆	◆	◆	◆	◆
Nevirapine	◆	◆	◆	◆	◆	◆	◆	◆
Raltegravir	◆	◆	◆	◆	◆	◆	◆	◆
Rilpivirine	◆	◆	◆	◆	◆	◆	◆	◆
Rilpivirine/Emtricitabine/TAF	◆	◆	◆	◆	◆	◆	◆	◆
Tenofovir-DF	◆	◆	◆	◆	◆	◆	◆	◆
Zidovudine	◆	◆	◆	◆	◆	◆	◆	◆

**Key to abbreviations**

ANR	Anakinra	HC	Hydrocortisone
BAR	Baricitinib	RUX	Ruxolitinib
CAN	Canakinumab	SAR	Sarilumab
DXM	Dexamethasone	TCZ	Tocilizumab

**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 Immune Therapies

Charts updated 24 September 2020

Page 5 of 5

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.

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<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	◆	◆	◆	◆	◆	◆	◆	◆
Spironolactone	◆	◆	◆	◆	◆	◆	◆	◆
Tadalafil (PAH)	◆	◆	◆	◆	◆	◆	◆	◆
Telmisartan	◆	◆	◆	◆	◆	◆	◆	◆
Terazosin	◆	◆	◆	◆	◆	◆	◆	◆
Torsemide	◆	◆	◆	■	■	◆	◆	◆
Trandolapril	◆	◆	◆	◆	◆	◆	◆	◆
Treprostinil	◆	◆	◆	◆	◆	◆	◆	◆
Valsartan	◆	◆	◆	◆	◆	◆	◆	◆
Xipamide	◆	◆	◆	■	■	◆	◆	◆

	ANR	BAR	CAN	DXM	HC	RUX	SAR	TCZ
<b>Immunosuppressants</b>								
Adalimumab	●	●	●	◆	◆	●	●	●
Anti-thymocyte globulin	◆	◆	◆	◆	◆	◆	◆	◆
Azathioprine	■	■	■	◆	◆	■	■	■
Basiliximab	●	●	●	◆	◆	●	●	●
Belatacept	■	■	■	◆	◆	■	■	■
Ciclosporin	▲	■	▲	■	◆	■	▲	▲
Mycophenolate	◆	◆	◆	◆	◆	◆	◆	◆
Pirfenidone	◆	◆	◆	◆	◆	◆	◆	◆
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>Other</b>								
Allopurinol	◆	◆	◆	◆	◆	◆	◆	◆
Colchicine	▲	◆	▲	◆	◆	◆	▲	▲
Oseltamivir	◆	◆	◆	◆	◆	◆	◆	◆
<b>Steroids</b>								
Beclometasone	◆	◆	◆	◆	◆	◆	◆	◆
Betamethasone	◆	◆	◆	■	■	■	◆	◆
Budesonide	◆	◆	◆	◆	◆	◆	◆	◆
Ciclesonide	◆	◆	◆	◆	◆	◆	◆	◆
Clobetasol	◆	◆	◆	◆	◆	◆	◆	◆
Fludrocortisone	◆	◆	◆	◆	◆	◆	◆	◆
Flunisolide	◆	◆	◆	◆	◆	◆	◆	◆
Fluocinolone	◆	◆	◆	◆	◆	◆	◆	◆
Fluticasone	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocortisone (topical)	◆	◆	◆	◆	◆	◆	◆	◆
Megestrol acetate	◆	◆	◆	◆	◆	◆	◆	◆
Methylprednisolone	◆	◆	◆	◆	◆	◆	◆	◆
Mometasone	◆	◆	◆	◆	◆	◆	◆	◆
Nandrolone	◆	◆	◆	◆	◆	◆	◆	◆
Oxandrolone	◆	◆	◆	◆	◆	◆	◆	◆
Prednisolone	◆	◆	◆	◆	◆	◆	◆	◆
Prednisone	◆	◆	◆	◆	◆	◆	◆	◆
Stanozolol	◆	◆	◆	◆	◆	◆	◆	◆
Testosterone	◆	◆	◆	◆	◆	◆	◆	◆
Triamcinolone	◆	◆	◆	◆	◆	◆	◆	◆

**Key to abbreviations**

ANR	Anakinra	HC	Hydrocortisone
BAR	Baricitinib	RUX	Ruxolitinib
CAN	Canakinumab	SAR	Sarilumab
DXM	Dexamethasone	TCZ	Tocilizumab

**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