

## Some Common Substrates, Inhibitors and Inducers of CYP450 Isoenzymes

### CYP3A group (includes 4, 5, and 7)

Substrates	Inhibitors	Inducers
Amiodarone	Cimetidine	Carbamazepine
Amlodipine	Clarithromycin	Efavirenz
Aripiprazole	Diltiazem	Nevirapine
Atorvastatin	Erythromycin	Oxcarbazepine
Buspirone	Fluconazole	Phenobarbital
Ciclosporin	Indinavir	Phenytoin
Clarithromycin	Itraconazole	Pioglitazone
Dexamethasone	Ketoconazole	Rifampicin
Diazepam	Nelfinavir	St John's Wort
Diltiazem	Ritonavir	
Domperidone	Saquinavir	
Erythromycin	Verapamil	
Estradiol	Grapefruit Juice	
Felodipine		
Fentanyl		
Finasteride		
Hydrocortisone		
Indinavir		
Lercanidipine		
Methadone		
Nelfinavir		
Nifedipine		
Progesterone		
Ritonavir		
Saquinavir		
Sildenafil		
Simvastatin		
Tacrolimus		
Testosterone		
Verapamil		
R-Warfarin		

## CYP2D6

<b>Substrates</b>	<b>Inhibitors</b>	<b>Inducers</b>
Amitriptyline	Amiodarone	Rifampicin
Carvedilol	Bupropion	
Chlorphenamine	Celecoxib	
Chlorpromazine	Cimetidine	
Clomipramine	Citalopram	
Codeine	Clomipramine	
Dextromethorphan	Duloxetine	
Donepezil	Escitalopram	
Duloxetine	Fluoxetine	
Fluoxetine	Levomepromazine	
Haloperidol	Paroxetine	
Imipramine	Quinidine	
Metoclopramide	Sertraline	
Metoprolol	Terbinafine	
Ondansetron		
Oxycodone		
Paroxetine		
Propranolol		
Tamoxifen		
Timolol		
Tramadol		
Venlafaxine		

## CYP2C9

<b>Substrates</b>	<b>Inhibitors</b>	<b>Inducers</b>
Celecoxib	Amiodarone	Rifampicin
Diazepam	Fluconazole	Secobarbital
Diclofenac	Isoniazid	
Fluoxetine		
Fluvastatin		
Glibenclamide		
Glimepiride		
Glipizide		
Ibuprofen		
Irbesartan		
Losartan		
Meloxicam		
Naproxen		
Phenytoin		
S-Warfarin		

## CYP2C19

<b>Substrates</b>	<b>Inhibitors</b>	<b>Inducers</b>
Amitriptyline	Chloramphenicol	Carbamazepine
Citalopram	Cimetidine	Rifampicin
Clopidogrel	Ketoconazole	
Diazepam	Lansoprazole	
Lansoprazole	Omeprazole	
Omeprazole	Oxcarbazepine	
Pantoprazole	Pantoprazole	
Proguanil		
Propranolol		
<i>R</i> -Warfarin		

## CYP1A2

<b>Substrates</b>	<b>Inhibitors</b>	<b>Inducers</b>
Amitriptyline	Amiodarone	Omeprazole
Clomipramine	Cimetidine	Broccoli
Clozapine	Ciprofloxacin	Brussels sprouts
Imipramine	Fluvoxamine	Cigarette Smoking
Theophylline		
<i>R</i> -Warfarin		
Caffeine		