Erasmus MC

SUBSTRATEN 2020

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CYP1A2	CYP2C8	CYP2C19	CYP2D6	
acencoumarol	chloroquine	amitriptyline	amfetamine	gefitinib
amitriptyline	fluvastatine	aprepitant	amitriptyline	haloperidol
aprepitant	ibuprofen	atomoxetine	aripiprazol	imipramine
caffeine	nilotinib	chlooramfenicol	atomoxetine	methadon
clomipramine	paclitaxel	citalopram	bisoprolol	metoclopramide
clozapine	repaglinide	claritromycine	brexpiprazol	metoprolol
domperidon	sorafenib	clomipramine	carvedilol	mirtazepine
doxepine	verapamil	clopidogrel (a)**	clomipramine	moclobemide
duloxetine		clozapine	chloorpromazine	nebivolol
estradiol	CYP2C9	cyclofosfamide (a)	citalopram	nortriptyline
flufenazine	acenocoumarol	diazepam	clozapine	olanzapine
fluvoxamine	amitriptyline	doxepine	cocaïne	ondansetron
haloperidol	carvedilol	escitalopram	codeïne (a)	oxycodon
imipramine	celecoxib	esomeprazol	dextromethorfan	pantoprazol
lidocaïne	dapson	fenobarbital	donepezil	paroxetine
melatonine	diclofenac	fenytoïne	doxepine	perfenazine
naproxen	fenprocoumon	fluoxetine	duloxetine	pimozide
nifedipine	fenytoïne	fluvastatine	escitalopram	promethazine
olanzapine	fluoxetine	hexobarbital	eliglustat **	propafenon
ondansetron	fluvastatine	ibuprofen	flecaïnide	propranolol
paracetamol	glibenclamide	imipramine	flufenazine	risperidon
paroxetine	glimepiride	indometacine	fluoxetine	tamoxifen (a)
pimozide	ibuprofen	lansoprazol	flupentixol	tramadol (a)
propafenon	indometacine	moclobemide	fluvastatine	venlafaxine
propranolol	irbesartan	melatonine	fluvoxamine	zuclopentixol
riluzol	losartan	nilutamide		
ropivacaïne	meloxicam	omeprazol		
theofylline	naproxen	pantoprazol		
tizanidine	pantoprazol	paroxetine		
verapamil	piroxicam	prasugrel (a)		
warfarine	prasugrel (a)	primidon		
zolmitriptan	sertraline	proguanil		
	sildenafil	propranolol		
CYP2B6	tamoxifen	rabeprazol		
bupropion	tolbutamide	sertraline		
cyclofosfamide (a)	valproïnezuur	tamoxifen		
efavirenz	verapamil	teniposide		
ifosfamide	voriconazol	timolol		
methadon	vortioxetine	valproïnezuur		
prasugrel (a)	warfarine	venlafaxine		
sertaline		voriconazol		
tramadol		warfarine		

**** Sterk aanbevolen om te testen vóór aanvang therapie**

rood = alternatief (dosis)advies beschikbaar in KNMP-Kennisbank/apotheek

oranje (a) = activatie, alternatief (dosis) advies beschikbaar in KNMP-Kennisbank/apotheek

zwart (a) = activatie, geen aangepast (dosis) advies in KNMP-Kennisbank of (nog) niet beoordeeld (01-01-2020)

blauw = beperkte rol metabolisme, geen aangepast dosis nodig vgls KNMP-Kennisbank of (nog) niet beoordeeld (01-01-2020)

zwart = geen aangepast dosis nodig vgls KNMP-Kennisbank of (nog) niet beoordeeld (01-01-2020)

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CYP3A4			Overige	
alfentanil	haloperidol	sorafenib	BCHE	TPMT / NUDT15
alprazolam	hydrocortison	sunitinib	mivacurium	azathioprine **
amlodipine	ibuprofen	tacrolimus	suxamethonium	mercaptopurine **
apixaban	ifosfamide (a)	tamoxifen (a)	articaïne	tioguanine **
aprepitant	imatinib	temsirolimus	cocaïne	
aripiprazol	imipramine	theofylline		UGT1A1
atazanavir	indinavir	ticagrelor	DPYD	irinotecan
atorvastatine	irbesartan	tramadol	5-FU **	nilotinib
bisoprolol	irinotecan	trazodon	capecitabine **	atazanavir
brexpiprazol	kinidine	venlafaxine	tegafur **	
buspiron	lansoprazol	verapamil		UGT1A4
caffeine	lercanidipine	vincristine	HLA-A*3101	lamotrigine
carbamazepine	lidocaïne	voriconazol	carbamazepine	olanzapine
celecoxib	losartan	vortioxetine		
chloorpromazine	lovastatine (a)	zolpidem	HLA-B*44	UGT1A9
cisapride	meloxicam		ribavirine	mycofenolzuur
citalopram	methadon	CYP3A5		olanzapine
claritromycine	midazolam	apixaban	HLA-B*1502	
clomipramine	mirtazapine	fluoxetine	carbamazepine	VKORC1
clopidogrel	nifedipine	guanfacine	fenytoïne	acenocoumarol
clozapine	nilotonib	midazolam	lamotrigine	fenprocoumon
cocaïne	nitrendipine	paroxetine	oxcarbazepine	warfarine
codeïne	omeprazol	tacrolimus		
ciclosporine	ondansetron	vincristine	HLA-B*1511	
cyclofosfamide	oxycodon	vortioxetine	carbamazepine	
dapson	paclitaxel			
dexamethason	pantoprazol		HLA-B*5701	
dextromethorfan	paroxetine		abacavir **	
diazepam	pimozide		flucloxacilline	
diltiazem	prasugrel (a)			
docetaxel	progesteron		HLA-B*5801	
domperidon	proguanil		allopurinol	
donepezil	propafenon			
doxepine	propranolol		IL28B	
escitalopram	quetiapine		PEG-INF/Ribavirine	
esomeprazol	rabeprazol			
efavirenz	repaglinide		MTHFR	
eliglustat	risperidon		methotrexaat	
eplerenon	ritonavir			
erytromycine	rivaroxaban		SLCO1B1	
felodipine	ropivacaine		simvastatine	
fentanyl	salmeterol		atorvastatine	
fluoxetine	saquinavir		methotrexaat	
fluvastatine	sertraline			
finasteride	sildenafil			
gefitinib	simvastatine (a)			
guanfacine	sirolimus			

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INHIBITOREN

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CYP1A2	CYP2B6	CYP2C8	CYP2C9	CYP2C19
fluvoxamine	thiothepa	**gemfibrozil**	**fluconazol**	esomeprazol
ciprofloxacine	ticlopidine			lansoprazol
		trimethoprim	**amiodaron**	omeprazol
cimetidine				pantoprazol
		glitazonen	fenofibraat	celecoxib
amiodaron		montelukast	fluvastatine	voriconazol
fluoroquinolonen		quercetine	fluvoxamine	chlooramfenicol
furafyline		clopidogrel	isoniazide	cimetidine
interferon			lovastatin	felbamaat
methoxsalen			fenylbutazon	fluoxetine
mibefradil			probenicide	fluvoxamine
ticlopidine			sertraline	cimetidine
			sulfafenazol	ketoconazol
			teniposide	modafinil
			voriconazol	oxcarbazepine
			zafirlukast	probenicide
			disulfiram	ticlopidine
				topiramaat

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CYP2D6		CYP2E1	CYP3A4 / CYP3A5	
bupropion	difenhydramine	disulfiram	**indinavir**	amiodaron
cinacalcet	doxepine		**nelfinavir**	chlooramfenicol
fluoxetine	doxorubicine		**ritonavir**	boceprevir
paroxetine	escitalopram		**claritromycine**	ciprofloxacine
Kinidine	halofantrine		**itraconazol**	delaviridine
	histamine H1R antagonisten		**ketoconazol**	fluvoxamine
duloxetine	hydroxyzine		**nefazodon**	gestodeen
sertraline	levomepromazine		**sanquinavir**	imatinib
terbinafine	methadon			mibefradil
	metoclopramide		**aprepitant**	mifepriston
amiodaron	midodrine		**erytromycine**	norfloxacine
cimetidine	moclobemide		**fluconazol**	norfluoxetine
	perfenazine		**grapefruitsap**	telaprevir
chlorfeniramine	ranitidine		**verapamil**	voriconazol
chloorpromazine	ritonavir		**diltiazem**	
citalopram	tripelennamine			grapefruitsap
clemastine	haloperidol		**cimetidine**	
clomipramine				
cocaïne				
celecoxib				

rood: sterk (AUC >5x hoger of klaring >80% lager); **bruin:** matig (AUC>2x hoger of klaring 50-80% lager); **groen:** zwak (AUC 1.25-2x hoger of klaring 20-50% lager)

INDUCERS

CYP1A2	CYP2B6	CYP2C8	CYP2C9	CYP2C19
insuline	fenobarbital	rifampicine	rifampicine	carbamazepine
methylchloantreen	fenytoïne		carbamazepine	prednison
modafinil	rifampicine		enzalutamide	rifampicine
nafcilline	carbamazepine		fenobarbital	efavirenz
ß-naftoflavon	efavirenz		ritonavir	enzalutamide
omeprazol	nevirapine			ritonavir
carbamazepine				
ritonavir				
roken				

INDUCERS

CYP2D6		CYP2E1	CYP3A4 / CYP3A5	
dexamethason		ethanol	efavirenz	
rifampicine		isoniazide	nevirapine	
			enzalutamide	
			barbituraten	
			carbamazepine	
			glucocorticoïden	
			modafinil	
			oxcarbazepine	
			fenobarbital	
			fenytoïne	
			pioglitazon	
			rifabutine	
			rifampicine	
			troglitazon	
			Sint-janskruid	

Bron: www.iu.edu (01-01-2020). Voor educatieve doeleinden. Aan deze gegevens kunnen geen rechten worden ontleend.