

NTI Meds to be Closely Monitored when Co-Administered with Cannabinoids

Pennsylvania State University, College of Medicine, Dept of Pharmacology

<https://sites.psu.edu/cannabinoid>

Narrow Therapeutic Index (NTI) Medication	Enzyme/Metabolism
acenocoumarol (VKA)	CYP1A2, CYP2C9, CYP2C19, CYP3A4
alfentanil	CYP3A, CYP3A4
aminophylline	CYP1A2, CYP3A4
amiodarone	CYP1A2, CYP2C8, CYP2C19, CYP3A4
amitriptyline	CYP1A2, CYP2B6, CYP2C19, CYP3A4
amphotericin B	Protein Binding (PB)
argatroban	CYP3A4
busulfan	CYP3A4
carbamazepine	CYP1A2, CYP3A4, UGT2B7
clindamycin	CYP3A4
clomipramine	CYP1A2, CYP2B6, CYP2C19, CYP3A4, UGT2B7
clonidine	CYP1A2, CYP3A4
clorindione (VKA)	CYP3A4
cyclobenzaprine	CYP1A2, CYP3A4
cyclosporine	CYP3A4
dabigatran etexilate	UGT1A9, UGT2B7
desipramine	CYP1A2, CYP2B6
dicoumarol (VKA)	CYP2C9
digitoxin	CYP3A4
dihydroergotamine	CYP3A4
diphenadione (VKA)	CYP3A4
dofetilide	CYP3A4
dosulepin	CYP2B6
doxepin	CYP1A2, CYP2C9, CYP2C19, CYP3A4
ergotamine	CYP3A4
esketamine	CYP2B6, CYP3A4
ethinyl estradiol (<i>Oral Contraceptives</i>)	UGT1A9, UGT2B7
ethosuximide	CYP2E1, CYP3A4
ethyl biscoumacetate (VKA)	CYP3A4
everolimus	CYP3A, CYP3A4
fentanyl	CYP3A4
fluindione (VKA)	CYP2C9, CYP3A4
fosphenytoin	CYP2C8, CYP2C9, CYP2C19, CYP3A4
imipramine	CYP1A2, CYP2B6, CYP2C19, CYP3A4
levothyroxine	CYP3A4
lofepramine	CYP2B6
melitracen	CYP2B6
mepерidine	CYP2B6, CYP3A4
mephenytoin	CYP1A2, CYP2C19



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mycophenolic acid	UGT1A9, UGT2B7
nortriptyline	CYP1A2, CYP2B6, CYP3A4
paclitaxel	CYP2C8, CYP3A4
phenobarbital	CYP2C19
phenprocoumon (VKA)	CYP2C8, CYP2C9, CYP3A4
phenytoin	CYP2C8, CYP2C9, CYP2C19
pimozide	CYP1A2, CYP3A, CYP3A4
propofol	UGT1A9
quinidine	CYP2C9, CYP2E1, CYP3A4
sirolimus	CYP3A, CYP3A4
tacrolimus	CYP3A, CYP3A4
temsirolimus	CYP3A4
theophylline	CYP1A2, CYP3A4
thiopental	CYP2C19
tianeptine	CYP3A4
trimipramine	CYP2B6
valproic acid	CYP2C9, UGT1A9, UGT2B7
warfarin (VKA)	CYP1A2, CYP2C9, CYP2C19, CYP3A4



Legend:

(VKA) Vitamin K Antagonist