

ANTIRETROVIRAL DRUGS: DOSAGES, ADVERSE REACTIONS, AND INTERACTION POTENTIAL

Common Abbreviations	Generic Name	Brand Name	Dosage Forms and Color	Recommended Adult Dosages	Common Adverse Reactions	Potential for Interactions
Nucleoside Reverse Transcriptase Inhibitor (NRTI's) or Nucleoside Analogues (NA's)			<i>Hepatotoxicity, mitochondrial toxicity/lactic acidosis with NRTI's/ NA's</i>			
AZT, ZDV	zidovudine	Retrovir	<ul style="list-style-type: none"> 100 mg (white/blue caps) 300 mg (white round tab) 10 mg/ml syrup (strawberry) 	<ul style="list-style-type: none"> 300 mg BID 200 mg TID 	Anemia, neutropenia, headaches, nausea	Minimal except for other marrow toxic medications
ddl	didanosine	Videx	<ul style="list-style-type: none"> 25, 50, 100, 150, 200 mg (buffered white tabs) 100, 167, 250 mg packets (buffered powder for oral solution) 2, 4 Gram bottles (pediatric powder) 	<ul style="list-style-type: none"> 200 mg BID 400 mg QD Empty stomach	Diarrhea (buffered formulations), pancreatitis, peripheral neuropathy	Buffered formulations: Significant with medications whose absorption is decreased by buffers
		Videx EC (enteric-coated)	All Videx EC are white opaque caps <ul style="list-style-type: none"> 125 mg (tan imprint) 200 mg (green imprint) 250 mg (blue imprint) 400 mg (red imprint) 	<ul style="list-style-type: none"> 400 mg QD (≥60kg) 250 mg QD (<60 kg) Empty stomach		
ddC	zalcitabine	Hivid	<ul style="list-style-type: none"> 0.375 mg (beige oval tab) 0.75 mg (gray, oval tab) 	<ul style="list-style-type: none"> 0.75 mg TID 	Peripheral neuropathy, oral ulcers	Minimal except for other medications with neuropathic effects
d4T	stavudine	Zerit	<ul style="list-style-type: none"> 15 mg (yellow/dark red caps) 20 mg (lt. brown caps) 30 mg (lt. orange/dark orange caps) 40 mg (dark orange caps) 1 mg/ml (powder for oral solution) 	<ul style="list-style-type: none"> 20-40mg BID 	Peripheral neuropathy	Minimal
3TC	lamivudine	Epivir	<ul style="list-style-type: none"> 100 mg (butterscotch, round tab) 150 mg (white, diamond tab) 300 mg (gray, modified diamond tab) 10 mg/ml (oral solution) 	<ul style="list-style-type: none"> 150 mg BID 300 mg QD 	Headaches, nausea	Minimal
AZT/3TC		Combivir	<ul style="list-style-type: none"> 300 mg ZDV/150 mg 3TC (white capsule-shaped tab) 	<ul style="list-style-type: none"> one BID 	same as AZT/3TC above	Minimal
1592, ABC	abacavir	Ziagen	<ul style="list-style-type: none"> 300 mg (yellow tab) 20 mg/ml (oral solution) 	<ul style="list-style-type: none"> 300 mg BID 	Nausea, vomiting, diarrhea; Hypersensitivity reaction (fever, malaise, GI sx's, rash— do NOT re-challenge.)	Minimal
AZT/3TC/ABC		Trizivir	<ul style="list-style-type: none"> 300 mg ZDV/150mg 3TC/ 300 mg ABC (blue-green capsule-shaped tab) 	<ul style="list-style-type: none"> one BID 	same as AZT, 3TC, ABC above	Minimal
Nucleotide Reverse Transcriptase Inhibitor						
TFV, TDF, PMPA	tenofovir	Viread	<ul style="list-style-type: none"> 300 mg light blue, almond shaped tablet 	<ul style="list-style-type: none"> 300 mg QD with food 	Nausea, vomiting, flatulence, diarrhea	Minimal

Non-Nucleoside Reverse Transcriptase Inhibitor (NNRTI's)				Rash, hepatotoxicity with all NNRTI's		
NVP	nevirapine	Viramune	<ul style="list-style-type: none"> 200 mg (white, oval) 50 mg/ 5 ml suspension 	<ul style="list-style-type: none"> 200 mg BID start at 200 mg QD X 2 wks	RASH	Both substrate and inducer of liver enzymes
DLV	delavirdine	Rescriptor	<ul style="list-style-type: none"> 100 mg (white, capsule-shaped tab) 200 mg (white, capsule-shaped tab) 	<ul style="list-style-type: none"> 400 mg TID 	RASH, increased LFT's	Both substrate and inhibitor of liver enzymes
EFV	efavirenz	Sustiva	<ul style="list-style-type: none"> 50 mg (gold/white cap) 100 mg (white cap) 200 mg (gold cap) 600 mg (yellow, capsule-shaped tab) 	<ul style="list-style-type: none"> 600 mg QD Initially at bedtime	CNS effects: dizziness, somnolence, insomnia, confusion	Can be an inducer or inhibitor of liver enzymes (see pkg. Insert)
Protease Inhibitors (PI's)				Hepatotoxicity, lipodystrophy, dyslipidemias, insulin resistance/ hyperglycemia with all PI's		
SQV	HGC-saquinavir	Invirase	<ul style="list-style-type: none"> 200 mg (lt. brown/green cap) 	<ul style="list-style-type: none"> 400 mg BID + RTV 400 mg BID 1000 mg BID + RTV 100 mg BID With meals	Diarrhea, nausea, abdominal pain	Both substrate and inhibitor of liver enzymes
	SGC-saquinavir	Fortovase	<ul style="list-style-type: none"> 200 mg (beige opaque cap) 	<ul style="list-style-type: none"> 1200 mg TID 400 mg BID + RTV 400 mg BID 1000 mg BID + RTV 100 mg BID With meals		
IDV	indinavir	Crixivan	<ul style="list-style-type: none"> 200 mg (white/blue print cap) 400 mg (white/green print cap) 333 mg (white/red print cap) 	<ul style="list-style-type: none"> 800 mg q8h Empty stomach/Light snack <ul style="list-style-type: none"> 800 mg BID + RTV 100-200mg BID Can take with food	Nausea, ↑↑bilirubin, kidney stones	Both substrate and inhibitor of liver enzymes
RTV	ritonavir	Norvir	<ul style="list-style-type: none"> 100 mg (white cap) 80 mg/ml oral solution (caramel/peppermint) 	<ul style="list-style-type: none"> 600 mg BID usually given 100-400 mg BID to boost other PI's 	Nausea, vomiting, diarrhea	SIGNIFICANT drug interactions due to potent inhibition of liver enzymes (see pkg. insert)
NFV	nelfinavir	Viracept	<ul style="list-style-type: none"> 250 mg (blue, capsule shaped tab) 50 mg/g powder 	<ul style="list-style-type: none"> 1250 mg BID 750 mg TID With food	Diarrhea, nausea, vomiting	Both substrate and inhibitor of liver enzymes
APV	amprenavir	Agenerase	<ul style="list-style-type: none"> 50 mg (cream, oblong tab) 150 mg (cream, oblong tab) 15 mg/ml oral solution (grape/bubblegum/peppermint) 	<ul style="list-style-type: none"> 1200 mg BID 600-750 mg BID + RTV 100-200 mg BID 1200 mg QD + RTV 200 mg QD 	Nausea, diarrhea, rash, perioral/oral paresthesias	Both substrate and inhibitor of liver enzymes; formulated with vitamin E - AVOID Vitamin E supplements
ABT-378, LPV/r	lopinavir/ritonavir	Kaletra	<ul style="list-style-type: none"> 1 capsule (orange) =133.3 mg lopinavir + 33.3 mg ritonavir oral solution= 80 mg lopinavir and 20 mg ritonavir per mL 	<ul style="list-style-type: none"> Three capsules BID With food	Diarrhea, nausea, ↑ cholesterol, ↑ triglycerides, ↑ GGT	Both substrate and inhibitor of liver enzymes; contains RTV, a potent inhibitor of liver enzymes