

**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
<b>Nucleoside Reverse Transcriptase Inhibitor (NRTI's) or Nucleoside Analogues (NA's)</b>			<b>Hepatotoxicity, mitochondrial toxicity/lactic acidosis with NRTI's/ NA's</b>			
AZT, ZDV	zidovudine	Retrovir	<ul style="list-style-type: none"> <li>100 mg (white/blue capsule)</li> <li>300 mg (white round tablet)</li> <li>10 mg/ml syrup (strawberry)</li> </ul>	<ul style="list-style-type: none"> <li>300 mg BID</li> <li>200 mg TID</li> </ul>	Anemia, neutropenia, headaches, nausea	Minimal except for other marrow toxic medications
ddl	didanosine	Videx	<ul style="list-style-type: none"> <li>25, 50, 100, 150, 200 mg (buffered white tablets)</li> <li>100, 167, 250 mg packets (buffered powder for oral solution)</li> <li>2, 4 Gram bottles (pediatric powder)</li> </ul>	<ul style="list-style-type: none"> <li>200 mg BID</li> <li>400 mg QD</li> <li><b>Empty stomach</b></li> </ul>	Diarrhea (buffered formulations), pancreatitis, peripheral neuropathy	Buffered formulations: Significant with medications whose absorption is decreased by buffers. Tenofovir increases ddl AUC—dose reduce ddl to 250 mg QD if co-administering with tenofovir 300 mg QD
		Videx EC (enteric-coated)	All Videx EC are white opaque capsules <ul style="list-style-type: none"> <li>125 mg (tan imprint)</li> <li>200 mg (green imprint)</li> <li>250 mg (blue imprint)</li> <li>400 mg (red imprint)</li> </ul>	<ul style="list-style-type: none"> <li>400 mg QD (≥60kg)</li> <li>250 mg QD (&lt;60 kg)</li> <li><b>Empty stomach</b></li> </ul>		
ddC	zalcitabine	Hivid	<ul style="list-style-type: none"> <li>0.375 mg (beige oval tablet)</li> <li>0.75 mg (gray, oval tablet)</li> </ul>	<ul style="list-style-type: none"> <li>0.75 mg TID</li> </ul>	Peripheral neuropathy, oral ulcers	Minimal except for other medications with neuropathic effects
d4T	stavudine	Zerit	<ul style="list-style-type: none"> <li>15 mg (yellow/dark red capsule)</li> <li>20 mg (lt. brown capsule)</li> <li>30 mg (lt. &amp; dark orange capsule)</li> <li>40 mg (dark orange capsule)</li> <li>1 mg/ml (powder for oral solution)</li> </ul>	<ul style="list-style-type: none"> <li>20-40mg BID</li> </ul>	Peripheral neuropathy	Minimal
		Zerit XR (extended release)	<ul style="list-style-type: none"> <li>100 mg (rich yellow capsule)</li> <li>75 mg (red capsule)</li> <li>50 mg (orange capsule)</li> <li>37.5 mg (red/yellow capsule)</li> </ul>	<ul style="list-style-type: none"> <li>100 mg QD (≥60 kg)</li> <li>75 mg QD (&lt;60 kg)</li> </ul>		
3TC	lamivudine	Epivir	<ul style="list-style-type: none"> <li>100 mg (butterscotch, round tablet)</li> <li>150 mg (white, diamond tablet)</li> <li>300 mg (gray, modified diamond tablet)</li> <li>10 mg/ml (oral solution)</li> </ul>	<ul style="list-style-type: none"> <li>150 mg BID</li> <li>300 mg QD</li> </ul>	Headaches, nausea	Minimal
AZT/3TC		Combivir	<ul style="list-style-type: none"> <li>300 mg ZDV/150 mg 3TC (white capsule-shaped tablet)</li> </ul>	<ul style="list-style-type: none"> <li>one BID</li> </ul>	same as AZT/3TC above	Minimal
1592, ABC	abacavir	Ziagen	<ul style="list-style-type: none"> <li>300 mg (yellow tablet)</li> <li>20 mg/ml (oral solution)</li> </ul>	<ul style="list-style-type: none"> <li>300 mg BID</li> </ul>	Nausea, vomiting, diarrhea; <b>Hypersensitivity</b> reaction (fever, malaise, GI sx's, rash—do NOT re-challenge.)	Minimal
AZT/3TC/ABC		Trizivir	<ul style="list-style-type: none"> <li>300 mg ZDV/150mg 3TC/ 300 mg ABC (blue-green capsule-shaped tablet)</li> </ul>	<ul style="list-style-type: none"> <li>one BID</li> </ul>	same as AZT, 3TC, ABC above	Minimal
FTC	emtricitabine	Emtriva	<ul style="list-style-type: none"> <li>200 mg (blue/white capsule)</li> </ul>	<ul style="list-style-type: none"> <li>200 mg QD</li> </ul>	Headache, nausea, diarrhea	Minimal
<b>Nucleotide Reverse Transcriptase Inhibitor</b>						
TFV, TDF, PMPA	tenofovir	Viread	<ul style="list-style-type: none"> <li>300 mg light blue, almond shaped tablet</li> </ul>	<ul style="list-style-type: none"> <li>300 mg QD</li> <li><b>with or without food</b></li> </ul>	Nausea, vomiting, flatulence, diarrhea	Increases ddl AUC; reduce ddl dose to 250 mg QD if tenofovir co-administered. Decreases Cmin of atazanavir (ATV); boost ATV 300 mg with RTV 100 mg QD if tenofovir co-administered.
<b>Non-Nucleoside Reverse Transcriptase Inhibitor (NNRTI's)</b>			<b>Rash, hepatotoxicity with all NNRTI's</b>			
NVP	nevirapine	Viramune	<ul style="list-style-type: none"> <li>200 mg (white, oval tablets)</li> <li>50 mg/ 5 ml suspension</li> </ul>	<ul style="list-style-type: none"> <li>200 mg BID</li> <li><b>start at 200 mg QDx2wks</b></li> </ul>	RASH	Both substrate and inducer of liver enzymes
DLV	delavirdine	Rescriptor	<ul style="list-style-type: none"> <li>100 mg (white, capsule-shaped tablet)</li> <li>200 mg (white, capsule-shaped tablet)</li> </ul>	<ul style="list-style-type: none"> <li>400 mg TID</li> </ul>	RASH, increased LFT's	Both substrate and inhibitor of liver enzymes
EFV	efavirenz	Sustiva	<ul style="list-style-type: none"> <li>50 mg (gold/white capsule)</li> <li>100 mg (white capsule)</li> <li>200 mg (gold capsule)</li> <li>600 mg (yellow, capsule-shaped tab)</li> </ul>	<ul style="list-style-type: none"> <li>600 mg QD</li> <li><b>Initially at bedtime</b></li> </ul>	CNS effects: dizziness, somnolence, insomnia, confusion	Can be an inducer or inhibitor of liver enzymes (see pkg. Insert)

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<b>Protease Inhibitors (PI's)</b>			<b>Hepatotoxicity, lipodystrophy, dyslipidemias, insulin resistance/ hyperglycemia with all PI's</b>			
SQV	HGC-saquinavir	Invirase	<ul style="list-style-type: none"> <li>200 mg (lt. brown/green capsule)</li> </ul>	<ul style="list-style-type: none"> <li>400 mg BID + RTV 400 mg BID</li> <li>1000 mg BID + RTV 100 mg BID</li> </ul> <b>With meals</b>	Diarrhea, nausea, abdominal pain	Both substrate and inhibitor of liver enzymes
	SGC-saquinavir	Fortovase	<ul style="list-style-type: none"> <li>200 mg (beige opaque capsule)</li> </ul>	<ul style="list-style-type: none"> <li>1200 mg TID</li> <li>400 mg BID + RTV 400 mg BID</li> <li>1000 mg BID + RTV 100 mg BID</li> </ul> <b>With meals</b>		
IDV	indinavir	Crixivan	All are semi-translucent white capsules <ul style="list-style-type: none"> <li>100 mg (green imprint)</li> <li>200 mg (blue imprint)</li> <li>333 mg (red imprint)</li> <li>400 mg (green imprint)</li> </ul>	<ul style="list-style-type: none"> <li>800 mg q8h</li> </ul> <b>Empty stomach/Light snack</b> <ul style="list-style-type: none"> <li>800 mg BID + RTV 100-200mg BID</li> </ul> <b>Can take with food</b>	Nausea, ↑ bilirubin, kidney stones	Both substrate and inhibitor of liver enzymes
RTV	ritonavir	Norvir	<ul style="list-style-type: none"> <li>100 mg (white capsule)</li> <li>80 mg/ml oral solution (caramel/peppermint)</li> </ul>	<ul style="list-style-type: none"> <li>600 mg BID</li> <li>usually given 100-400 mg BID to boost other PI's</li> </ul>	Nausea, vomiting, diarrhea	<b>SIGNIFICANT</b> drug interactions due to potent inhibition of liver enzymes (see pkg. insert)
NFV	nelfinavir	Viracept	<ul style="list-style-type: none"> <li>250 mg (blue, capsule shaped tablet)</li> <li>625 mg (white, oval shaped tablet)</li> <li>50 mg/g powder</li> </ul>	<ul style="list-style-type: none"> <li>1250 mg BID</li> <li>750 mg TID</li> </ul> <b>With food</b>	Diarrhea, nausea, vomiting	Both substrate and inhibitor of liver enzymes
APV	amprenavir	Agenerase	<ul style="list-style-type: none"> <li>50 mg (cream, oblong tab)</li> <li>150 mg (cream, oblong tab)</li> <li>15 mg/ml oral solution (grape/bubblegum/pep-permint)</li> </ul>	<ul style="list-style-type: none"> <li>1200 mg BID</li> <li>600-750 mg BID + RTV 100-200 mg BID</li> <li>1200 mg QD + RTV 200 mg QD</li> </ul>	Nausea, diarrhea, rash, perioral/oral paresthesias	Both substrate and inhibitor of liver enzymes; formulated with vitamin E-- <b>AVOID Vitamin E supplements</b>
ABT-378, LPV/r	lopinavir/ritonavir	Kaletra	<ul style="list-style-type: none"> <li>1 capsule (orange) =133.3 mg lopinavir + 33.3 mg ritonavir</li> <li>oral solution= 80 mg lopinavir and 20 mg ritonavir per mL</li> </ul>	<ul style="list-style-type: none"> <li>Three capsules BID</li> </ul> <b>With food</b>	Diarrhea, nausea, ↑cholesterol, ↑ triglycerides, ↑ GGT	Both substrate and inhibitor of liver enzymes; contains RTV, a potent inhibitor of liver enzymes
ATV	atazanavir	Reyataz	<ul style="list-style-type: none"> <li>100 mg (blue/white capsule)</li> <li>150 mg (blue/powder blue capsule)</li> <li>200 mg (blue capsule)</li> </ul>	<ul style="list-style-type: none"> <li>400 mg QD</li> <li>300 mg QD + RTV 100 mg (see drug interactions column)</li> </ul> <b>With food</b>	Hyperbilirubinemia; nausea; EKG changes (rare)	Both substrate and inhibitor of liver enzymes; boosting with RTV 100 mg QD with ATV 300 mg when co-administered with tenofovir (TFV) and/or with efavirenz (EFV) and possibly with nevirapine (see pkg insert)
f-APV	Fosamprenavir	Lexiva	<ul style="list-style-type: none"> <li>700 mg tablet (pink, capsule-shaped)</li> </ul>	<ul style="list-style-type: none"> <li>1400 mg BID</li> <li>700 mg BID+ RTV 100 mg BID</li> <li>1400 mg QD + RTV 200 mg QD</li> </ul>	(see amprenavir)	Both substrate and inhibitor of liver enzymes; multiple interactions possible. See pkg insert for more information.
<b>Fusion Inhibitors (FI's)</b>						
T-20	enfuvirtide	Fuzeon	<ul style="list-style-type: none"> <li>Single-use vials for injection reconstituted to 90 mg/ml</li> </ul>	<ul style="list-style-type: none"> <li>90 mg SQ BID</li> </ul>	Injection site reactions; insomnia; myalgia; pneumonia	Minimal