

## Antiretroviral Crush/Do Not Crush List

Agents	Open Capsule	Crush Tablet	Liquid Form	Other Formulations	Notes
<b>Nucleoside Reverse Transcriptase Inhibitors (NRTIs)</b>					
Abacavir (ABC / Ziagen) <sup>[1]</sup>	---	Yes	Yes	No	Add to small amount of semi-solid food or liquid; Consume immediately
Didanosine (ddl / Videx EC) <sup>[2]</sup>	No	---	Yes		
Emtricitabine (FTC / Emtriva) <sup>[2]</sup>	No	---	Yes	No	Liquid dose not equivalent to capsule dose
Lamivudine (3TC / Epivir) <sup>[1]</sup>	---	Yes	Yes	No	Add to small amount of semi-solid food or liquid; Consume immediately
Stavudine (d4T / Zerit) <sup>[1]</sup>	Yes	---	Yes	No	Mix with 5-10 mL cool tap water
Tenofovir (TDF / Viread) <sup>[1]</sup>	---	Yes	No	Powder	Mix in water, grape juice, or orange juice
Zidovudine (ZDV / Retrovir) <sup>[2]</sup>	---	No	Yes	IV	Add to small amount of semi-solid food or liquid; Consume immediately
<b>Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTIs)</b>					
Efavirenz (EFV / Sustiva) <sup>[1]</sup>	Yes	No	No	No	Add to small amount of semi-solid food; Consume immediately
Etravirine (ETR / Intelence) <sup>[2]</sup>	---	Yes	No	No	
Nevirapine (NVP / Viramune / Viramune XR) <sup>[1]</sup>	---	No	Yes	No	Do not crush XR formulation
Rilpivirine (RPV / Edurant) <sup>[2]</sup>	---	No	No	No	Tablets do not readily disperse in water.
<b>Protease Inhibitors (PIs)</b>					
Atazanavir (ATV / Reyataz) <sup>[1]</sup>	Yes	---	No	Powder	Mix 400 mg daily dose w/ 4 oz. of apple sauce
Darunavir (DRV / Prezista) <sup>[3]</sup>	---	Yes	Yes	No	
Fosamprenavir (FPV / Lexiva) <sup>[1]</sup>	---	No data	Yes	No	
Indinavir (IDV / Crixivan) <sup>[1]</sup>	Yes	---	No	No	Mix with fruit puree
Lopinavir + Ritonavir (LPV/r / Kaletra) <sup>[2]</sup>	---	No	Yes	No	
Nelfinavir (NFV / Viracept) <sup>[1]</sup>	---	Yes	No	No	Add to small amount of water; Consume immediately
Ritonavir (RTV / Norvir) <sup>[2]</sup>	No	No	Yes	Powder	Powder does not contain propylene glycol or alcohol; May be administered via tube if mixed with water; Use within 2 hrs of mixing
Saquinavir (SQV / Invirase) <sup>[2]</sup>	Yes	No	No	No	
Tipranavir (TPV / Aptivus) <sup>[1]</sup>	No	---	Yes	No	
<b>Integrase and Entry Inhibitors</b>					
Dolutegravir (DTG / Tivicay) <sup>[1]</sup>	---	Yes	No	No	Add to small amount of semi-solid food or liquid; Consume immediately
Maraviroc (MVC / Selzentry) <sup>[1]</sup>	---	No	No	No	Tablets are film coated
Raltegravir (RAL / Isentress / Isentress HD) <sup>[4]</sup>	---	Yes (400 mg) No (600 mg)	No	Chewable tablet Powder	Chew tabs adult dose = 300 mg PO BID No adult dose for powder
<b>Fixed-dose Combinations</b>					
Atripla (EFV+FTC+TDF) <sup>[1]</sup>	---	No data	---	---	Not recommended; EFV insoluble in water
Biktarvy (BIC+FTC+TAF)	---	No data	---	---	Not recommended
Complera (RPV+FTC+TDF) <sup>[1]</sup>	---	No data	---	---	Not recommended; RPV insoluble in water
Descovy (TAF+FTC) <sup>[1]</sup>	---	No data	---	---	Not recommended; Soluble in water
Evotaz (ATV+COBI) <sup>[1]</sup>	---	No data	---	---	Not recommended
Genvoya (EVG+COBI+FTC+TAF) <sup>[1]</sup>	---	No data	---	---	Not recommended
Juluca (DTG+RPV)	---	Yes	---	---	Add to a small amount of semi-solid food or liquid; Consume immediately
Odefsey (RPV+FTC+TAF) <sup>[1]</sup>	---	No data	---	---	Not recommended
Prezcobix (DRV+COBI) <sup>[1]</sup>	---	Yes	---	---	Not extended release
Stribild (EVG+COBI+FTC+TDF) <sup>[1]</sup>	---	No data	---	---	Not recommended
Triumeq (DTG+ABC+3TC) <sup>[1]</sup>	---	Yes	---	---	Administer with a small amount of semi-solid food or liquid; Consume immediately
Symtuza (DRV+COBI+TAF+FTC) <sup>[1]</sup>	---	Yes	---	---	May split tablet in half
Truvada (TDF+FTC) <sup>[1]</sup>	---	Yes	---	---	Crush at discretion of provider; Minor stirring/pressure required; Mix with water or grape/orange juice
<b>Pharmacokinetic Enhancer</b>					
Cobicistat (COBI / Tybost) <sup>[1]</sup>	---	No data	---	---	Not recommended; Insoluble in water

1. Data on file from manufacturer.

2. Nyberg CR, Patterson BY, Williams MM. When patients cannot take pills: antiretroviral drug formulations for managing adult HIV infection. Top Antivir Med 2011;19:126-31.

3. Kim CH, Muzevich KM, Fulco PP. Orogastric administration of crushed darunavir tablets for a critically ill patient. Can J Hosp Pharm 2014;67:39-42.

4. Sandkovsky U, Swindells S, Moore R, Acosta EP, Fletcher CV. Acceptable plasma concentrations of raltegravir and etravirine when administered by gastrostomy tube in a patient with advanced multidrug-resistant human immunodeficiency virus infection. Pharmacotherapy 2012;32:142-7.

## Antiretroviral Crush/Do Not Crush List