



Antiretroviral Crush/Do Not Crush List

Agents	Open Capsule	Crush Tablet	Liquid Form	Other Formulations	Notes
Nucleoside Reverse Transcriptase Inhibitors (NRTIs)					
Abacavir (ABC / Ziagen) ^[1]	---	Yes	Yes	---	Add to small amount of semi-solid food or liquid; Consume immediately
Didanosine (ddI / Videx EC) ^[2]	No	---	Yes	---	Capsules (gastro-resistant, delayed release) should be taken intact
Emtricitabine (FTC / Emtriva) ^[2]	No	---	Yes	---	Capsule content can be dissolved in 30 ml of water. Liquid dose not equivalent to capsule dose
Lamivudine (3TC / Epivir) ^[1]	---	Yes	Yes	---	Add to small amount of semi-solid food or liquid; Consume immediately
Stavudine (d4T / Zerit) ^[1]	Yes	---	Yes	---	Mix capsule contents with food
Tenofovir (TAF/Vemlidy)	---	No	No	---	
Tenofovir (TDF / Viread) ^[1]	---	Yes	No	Powder	Tablets may be crushed and mixed in 100 ml of water, grape, or orange juice; Powder should be mixed with 2-4 oz. of soft food and swallowed immediately; Do not mix powder with liquids
Zidovudine (ZDV / Retrovir) ^[2]	---	No	Yes	IV	Add to small amount of semi-solid food or liquid; consume immediately
Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTIs)					
Efavirenz (EFV / Sustiva) ^[1]	Yes	No	No	---	Capsules can be opened and added to a small amount of semi-solid food using sprinkle method; Consume immediately
Etravirine (ETR / Intelence) ^[2]	---	Yes	No	---	Tablets may be dispersed in water, stir well & drink immediately
Doravirine (DRN/Pifeltro) ^[1] [NF]	---	No data	No	---	
Nevirapine (NVP / Viramune / Viramune XR) ^[1]	---	No	Yes	---	Do not crush XR formulation
Rilpivirine (RPV / Edurant) ^[2]	---	No	No	---	Tablets insoluble in water
Protease Inhibitors (PIs)					
Atazanavir (ATV / Reyataz) ^[1]	Yes	---	No	Powder	Mix 400 mg daily dose w/ 4 oz. of apple sauce or 30 mL of water or milk
Darunavir (DRV / Prezista) ^[3]	---	Yes	Yes	---	
Fosamprenavir (FPV / Lexiva) ^[1]	---	No data	Yes	---	Adult patients should take oral suspension on empty stomach
Indinavir (IDV / Crivivan) ^[1]	Yes	---	No	---	Mix with fruit puree
Lopinavir + Ritonavir (LPV/r / Kaletra) ^[2]	---	No	Yes	---	Oral solution contains PEG and 42% alcohol; Check tube compatibility
Nelfinavir (NFV / Viracept) ^[1]	---	Yes	No	---	Add to small amount of water; consume immediately
Ritonavir (RTV / Norvir) ^[2]	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) ^[2]	Yes	No	No	---	Capsule can be opened and mixed with 15 ml sugar/sorbitol or 3 tsp of jam
Tipranavir (TPV / Aptivus) ^[1]	No	---	Yes	---	
Integrase and Entry Inhibitors					
Dolutegravir (DTG / Tivicay) ^[1]	---	Yes	No	PD tablet	Add to small amount of semi-solid food or liquid; Consume immediately; PD formulation not interchangeable with tablets
Fostemsavir (Rukobia) ^[1] [NF]	---	No	No	---	Do not crush or split tablets
Maraviroc (MVC / Selzentry) ^[1]	---	No	Yes	---	Tablets are film coated
Raltegravir (RAL / Isentress / Isentress HD) ^[4]	---	Yes (400 mg) No (600 mg)	No	Chewable tablet	Chew tabs adult dose = 300 mg PO BID; Oral packet discontinued
Fixed-dose Combinations					
Atripla (EFV+FTC+TDF) ^[1]	---	No data	---	---	Not recommended; EFV insoluble in water
Biktarvy (BIC+FTC+TAF)	---	No data	---	---	Not recommended
Combivir (3TC+ZDV)	---	Yes	---	---	Tablets may be crushed and added to food; consume immediately
Complera (RPV+FTC+TDF) ^[1] [NF]	---	No data	---	---	Not recommended; RPV insoluble in water
Delstrigo (DRN+FTC+TDF) ^[1] [NF]	---	No data	---	---	
Descovy (TAF+FTC) ^[1]	---	No	---	---	Not recommended; TAF and FTC are insoluble in water
Dovato (DTG+3TC) ^[1] [NF]	---	Yes	---	---	Split tablet into halves or crush and add to a small amount of semi-solid food or liquid and consume immediately
Evotaz (ATV+COBI) ^[1] [NF]	---	No data	---	---	Not recommended
Epzicom (ABC+3TC)	---	No data	---	Powder	Mix oral powder with food; Using infant bottle is not recommended
Genvoya (EVG+COBI+FTC+TAF) ^[1]	---	No data	---	---	Not recommended
Juluca (DTG+RPV) [NF]	---	Yes	---	---	Add to a small amount of semi-solid food or liquid; Consume immediately
Odefsey (RPV+FTC+TAF) ^[1]	---	No data	---	---	Not recommended
Prezcobix (DRV+COBI) ^[1] [NF]	---	Yes	---	---	Not extended release
Stribild (EVG+COBI+FTC+TDF) ^[1] [NF]	---	No data	---	---	Not recommended
Triumeq (DTG+ABC+3TC) ^[1]	---	Yes	---	---	Administer with small amount of semi-solid food or liquid; Consume immediately
Symtuza (DRV+COBI+FTC+TAF) ^[1] [NF]	---	Split	---	---	Tablet may be split but should not be crushed; crushing tablet may reduce TAF BA by (~20%)
Truvada (TAF+FTC) ^[1]	---	Yes	---	---	Crush at discretion of provider; Minor stirring/pressure required; Mix with water or grape/orange juice
Pharmacokinetic Enhancer					
Cobicistat (COBI / Tybost) ^[1]	---	No data	No	---	Not recommended; Insoluble in water



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[NF]: Non-formulary

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.