

Darunavir (DRV) and Ritonavir (RTV)

Version: 2022

Formulations available:

Darunavir (DRV):

75 mg, 150 mg, 600 mg tablets (if not able to swallow whole, may be crushed or chewed)

FDC DRV/RTV 400/50 mg tablet must be swallowed whole

Ritonavir (RTV):

Oral powder: 100 mg/packet (each 100 mg packet of RTV powder should be mixed with a small amount of water if administering the whole packet (100 mg), or 10 ml water if not administering the whole packet and administer the appropriate dose as per Table below or soft food and immediately ingested)

Tablets: 100 mg (must be swallowed whole, not crushed or divided or chewed)

Dosing:

- Children <3 years of age OR <10 kg: DRV is not recommended

Weight band (kg)	No darunavir resistance-associated mutations on genotyping	Darunavir resistance-associated mutations on genotyping (V11I, V32I, L33F, I47V, I50V, I54M, I54L, T74P, L76V, I84V, L89V)	Weight band (kg)
	Dose of darunavir (35 mg/kg, maximum 800 mg) and ritonavir (7 mg/kg, maximum 100 mg): once daily with food	Dose of darunavir (20 mg/kg, maximum 600 mg) and ritonavir (3 mg/kg, maximum 100 mg): twice daily with food	
10 - <12	DRV 375 mg (2 x 150 mg + 1 x 75 mg tablets OR 5 x 75 mg tablets) + RTV 80 mg (100 mg oral powder (1 packet) in 10 ml water & administer 8 ml (80 mg))	DRV 225 mg (3 x 75 mg tablets or 1 x 150 mg + 1 x 75 mg), + RTV 40 mg (100 mg oral powder (1 packet) in 10 ml water & administer 4 ml (40 mg))	10 - <13
12 - <14	DRV 450 mg (3 x 150 mg tablets) + RTV 100 mg (100 mg oral powder (1 packet) in 10 ml water & administer 10 ml (100 mg))	DRV 300 mg (2 x 150 mg tablets) + 50 mg RTV (100 mg oral powder (1 packet) in 10 ml water & administer 5 ml (50 mg))	13 - <14
14 - <35	DRV 600 mg (1 x 600 mg tablet or 4 x 150 mg tablet) + RTV 100 mg (100 mg oral powder (1 packet) OR 100 mg tablet if able to swallow whole)	DRV 375 mg (2 x 150 mg + 1 x 75 mg tablets, OR 5 x 75 mg tablets) + RTV 100 mg (100 mg oral powder (1 packet) in 10 ml water OR 100 mg tablet if able to swallow whole). If patient able to swallow tablet whole, give DRV 400 mg+ RTV 50 mg (1 X DRV/RTV 400/50 mg tablet)	14 - <25
		DRV 400 mg + RTV 50 mg (1 x DRV/RTV 400/50 mg tablet if able to swallow whole). If patient unable to swallow whole 400/50 mg tabs, give DRV 450 mg (3 x 150 mg tabs or 6 x 75 mg tabs) + RTV 100 mg oral powder (1 packet) in 10 ml water	25 - <35
>35	DRV 800 mg + RTV 100 mg (2 x DRV/RTV 400/50 mg tablets)	DRV 600 mg (1 x 600 mg tablet) + RTV 100 mg (100 mg oral powder (1 packet) OR 100 mg tablet if able to swallow whole)	>35

Adapted from WHO 2021 and US FDA prescribing information: Darunavir [package insert]. Food and Drug Administration. 2016. Available at:

https://www.accessdata.fda.gov/drugsatfda_docs/label/2016/021976s043,202895s017bledt.pdf.

Children on concomitant rifampicin-containing TB regimens:

- DRV is not compatible with these regimens, and the clinician should engage with the 3rd line committee to review ART and TB treatment

For more information on drug-drug interactions, please refer to the following resources:

www.hiv-druginteractions.org/checker, the Liverpool HIV iChart application for smart phones, or any of the helplines provided at the end of this document