

## Darunavir (DRV) and Ritonavir (RTV)

### Formulations available:

- Tablets: 75 mg, 150 mg, 400 mg, 600 mg
- Oral suspension: 100 mg/ml (Not yet registered in SA, available on compassionate use access from manufacturer with MCC Sec 21 approval)

### Dosing:

- Children <3 years of age OR <10 kg: DRV is not recommended
- Children ≥3 - <18 years of age AND ≥10 kg:

<b>Weight band (kg)</b>	<b>Dose of darunavir and ritonavir: administer doses in table below twice daily with food</b>
10 - <11	DRV 200 mg (2.0 ml) + RTV 32 mg (0.4 ml)
11 - <12	DRV 220 mg (2.2 ml) + RTV 32 mg (0.4 ml)
12 - <13	DRV 240 mg (2.4 ml) + RTV 40 mg (0.5 ml)
13 - <14	DRV 260 mg (2.6 ml) + RTV 40 mg (0.5 ml)
14 - <15	DRV 280 mg (2.8 ml) + RTV 48 mg (0.6 ml)
15 - <30	DRV 400 mg (1 x 400 mg tablet or 4 ml) + RTV 48 mg (0.6 ml) or 100 mg tablet if able to swallow whole
30 - <40	DRV 475 mg (1 x 400 mg + 1 x 75 mg tablets or 4.7 ml) + RTV 100 mg tablet (or 1.25 ml if unable to swallow whole RTV tablet)
≥40	DRV 600 mg (1 x 600 mg or 4 x 150 mg tablets or 6 ml) + RTV 100 mg capsule (or 1.25 ml if unable to swallow whole RTV tablet)

- Adolescent aged ≥18 years / adult dose:  
DRV 600 mg + RTV 100 mg both twice daily with food
- Adolescent (weighing ≥40 kg) and adult dose if treatment-naïve or treatment-experienced with no darunavir resistance-associated mutations (V11I, V32I, L33F, I47V, I50V, I54L, I54M, T74P, L76V, I84V, and L89V):  
Darunavir 800 mg (2 x 400 mg tablets) plus ritonavir 100 mg once daily

## Dolutegravir (DTG)

### Formulations available:

- Tablet: 50 mg

### Dosing:

- ≥12 years and ≥40 kg:  
50 mg once daily

## Raltegravir (RAL)

### Formulations available:

- Film-coated tablets: 400 mg
- Chewable tablets: 25 mg, 100 mg (scored, dividable)
- Note: Film-coated tablets and chewable tablets are NOT interchangeable

- Granules for oral suspension: single use packet of 100 mg RAL for suspension in 10 ml water (10 mg/ml) (Not yet registered in SA, available on compassionate use access from manufacturer with MCC Sec 21 approval)

**Dosing:**

- Neonatal dose (refer to Table below):  
 Birth – age 7 days:  
 1.5 mg/kg/dose once daily  
**Note:** If the mother has taken RAL 2-24 hours before delivery, the neonate’s first dose should be given between 24-48 hours after birth.  
  
 Aged 8-28 days:  
 3 mg/kg/dose twice daily

Body Weight (kg)	Dose of oral suspension
<b>Birth to 1 Week - Once daily dosing*</b>	
2 - <3 kg	0.4 mL (4 mg) once daily
3 - <4 kg	0.5 mL (5 mg) once daily
4 - <5 kg	0.7 mL (7 mg) once daily
<b>1 to 4 Weeks - Twice daily dosing †</b>	
2 - <3 kg	0.8 mL (8 mg) twice daily
3 - <4 kg	1 mL (10 mg) twice daily
4 - <5 kg	1.5 mL (15 mg) twice daily
*The dosing recommendations are based on approximately 1.5 mg/kg/dose.	
†The dosing recommendations are based on approximately 3 mg/kg/dose.	

No dosing information is available for preterm infants or infants weighing <2 kg

- Infants ≥4 weeks of age:  
 6 mg/kg/dose twice daily (or dose according to Table below)
- Children ≥4 weeks of age AND weighing ≥3 kg - <20 kg: dosing of oral suspension:

Weight band (kg)	Dose of oral suspension
3 - <4	2.5 ml (25 mg) twice daily
4 - <6	3 ml (30 mg) twice daily
6 - <8	4 ml (40 mg) twice daily
8 - <11	6 ml (60 mg) twice daily
11 - <14	8 ml (80 mg) twice daily
14 - <20	10 ml (100 mg) twice daily

- Children with body weight 11-20 kg may be dosed with either oral suspension or chewable tablets
- Children ≥11 kg body weight:  
 If <25 kg: chewable tablets by weight-based dosing chart below to maximum of 300 mg twice daily  
 If ≥25 kg body weight, 400 mg film-coated tablet twice daily OR chewable tablets twice daily

Dosing of chewable tablets:

Weight band (kg)	Dose	Number of chewable tablets
11 - <14	75 mg twice daily	3 x 25 mg twice daily
14 - <20	100 mg twice daily	1 x 100 mg twice daily
20 - <28	150 mg twice daily	1.5 x 100 mg twice daily
28 - <40	200 mg twice daily	2 x 100 mg twice daily
≥40	300 mg twice daily	3 x 100 mg twice daily

- Child / adolescent with body weight ≥25 kg and adult dose: 400 mg film-coated tablet twice daily

### **Etravirine (ETR)**

Formulations available:

Tablets: 25 mg, 100 mg

Dosing:

- Children <6 years of age: not recommended
- Children ≥6 - <18 years of age AND ≥16 kg:

Weight band (kg)	Dose
16 - <20	100 mg twice daily
20 - <25	125 mg twice daily
25 - <30	150 mg twice daily
≥30	200 mg twice daily

- Adult dose: 200 mg twice daily after food