

Raltegravir (RAL)

Formulations available:

- Chewable tablets: 25 mg, 100 mg (scored, dividable)
- Film-coated tablets: 400 mg (data on crushing this tablet is lacking: swallow whole or use chewable tablet formulations)
- Note: Film-coated tablets and chewable tablets are NOT interchangeable (different dosing applies)
- [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 SAHPRA 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
Birth to 1 Week - Once daily dosing*	
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
1 to 4 Weeks - Twice daily dosing[†]	
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 AND children weighing ≥3 kg: chewable / crushable tablets

Dosing of chewable tablets:

Weight band (kg)	Dose	Number of chewable tablets
3 - <6	25 mg twice daily	1 x 25 mg twice daily
6 - <10	50 mg twice daily	2 x 25 mg twice daily
10 - <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 OR chewable tablets dosed according to Table above

Children on concomitant rifampicin-containing TB regimens:

- In children aged 2 years to <12 years with HIV/TB coinfection and receiving treatment with rifampicin, raltegravir 12 mg/kg/dose twice daily of the chewable tablet formulation safely achieved pharmacokinetic targets