

	SANTAR
	SCHEDULING STATUS [S3]
	1. NAME OF THE MEDICINE SANTAR 4 mg chewable tablets SANTAR 5 mg chewable tablets SANTAR 10 mg tablets
	2. QUALITATIVE AND QUANTITATIVE COMPOSITION SANTAR 4 mg: Each chewable tablet contains montelukast sodium, equivalent to montelukast 4 mg. SANTAR 5 mg: Each chewable tablet contains montelukast sodium, equivalent to montelukast 5 mg. SANTAR 10 mg: Each tablet contains montelukast sodium, equivalent to montelukast 10 mg.
	SANTAR tablets contain a form of sugar (mannitol). For each strength of tablet, the following amounts of mannitol are present: SANTAR 4 mg (75 mg); SANTAR 5 mg (84 mg) and SANTAR 10 mg (188 mg).
	SANTAR tablets contain sweetener (aspartame). For each strength of tablet the quantity of aspartame is SANTAR 4 mg (0.300 mg), SANTAR 5 mg (0.375 mg) and SANTAR 10 mg (0.750 mg). For the full list of excipients, see section 6.1.
	3. PHARMACEUTICAL FORM 4 mg and 5 mg chewable tablets SANTAR 4 mg: Pink, round, oval biconvex shaped, uncoated tablets, with a break-line on both sides. SANTAR 5 mg: Pink coloured, round shaped, uncoated tablets, with a break-line on both sides. 10 mg tablets SANTAR 10 mg: Light brown coloured, round biconvex shaped, uncoated tablets, with a break-line on both sides.
	4. CLINICAL PARTICULARS 4.1 Therapeutic indications SANTAR 4 mg chewable tablets are indicated in paediatric patients 2 - 5 years of age for the prophylaxis and chronic treatment of asthmatic asthma. SANTAR 5 mg chewable tablets are indicated in paediatric patients from 6 years of age for the prophylaxis and chronic treatment of asthmatic asthma. SANTAR 10 mg tablets are indicated in adults and children 15 years of age and older for the prophylaxis and chronic treatment of asthmatic asthma. 4.2 Contraindications SANTAR is contraindicated in whom SANTAR 10 mg tablet, daily, in chronic asthma the dose is given in the evening. SANTAR has not been studied in children with both of these conditions.
	4.3 Precautions and method of administration Posology SANTAR 4 mg/5 mg can be taken orally. SANTAR should be taken twice daily in the evening. SANTAR should be taken with or without food. SANTAR should be administered twice daily for 12 weeks. While the asthma is controlled, as well as during periods of worsening asthma. Treatment for asthmatic asthma: Paediatric patients 2 - 5 years: One SANTAR 4 mg chewable tablet daily. Paediatric patients 6 - 14 years: One SANTAR 5 mg chewable tablet daily. Adults and children 15 years of age and older: One SANTAR 10 mg tablet daily.
	4.4 Special warnings and precautions for use SANTAR should be added to a patient's existing treatment regimen. Reduction in concomitant therapy: Bronchodilator treatments: In those patients who are not adequately controlled on bronchodilator alone, SANTAR can be added to the treatment regimen. Corticosteroid response: In patients who are not adequately controlled on the patient's bronchodilator therapy may be reduced as tolerated. Inhaled corticosteroids: A reduction in the corticosteroid dose can be made as tolerated. The dose should be reduced gradually with medical supervision. SANTAR should not be abruptly substituted for inhaled corticosteroids. Special populations SANTAR should be used with caution in the elderly, the elderly, patients with renal insufficiency, patients with mild to moderate hepatic impairment, or for patients with other medical conditions. Mixed dose Medical practitioners should advise patients who forget to take SANTAR to take the dose as soon as possible and then continue with the normal dose. Patients should not take a double dose to compensate for the missed dose. Method of administration Oral use.
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	4.20 Special warnings and precautions for

Nervous system disorders	Less frequent	Headache, hypersomnia, somnolence
Eyes disorders	Frequent Frequency unknown	Paresthesia*, hypoaesthesia*, dryness*, lacrimation*, diplopia*
Ear and labyrinth disorders	Frequent	Blepharospasm
Cardiac disorders	Less frequent Frequency unknown	Chest pain Palpitations*
Vascular disorders	Less frequent	Hypertension
Respiratory, thoracic and mediastinal disorders	Frequent Frequency unknown	Cough (nasal), cough, influenza Epistaxis, shortness of breath, hyperventilation, dyspnoea, dyspnoea, oropharyngeal pain, throat dry, rhinitis allergic
Gastrointestinal disorders	Less frequent	Pylorospasm esophageal*, Churg-Strauss syndrome*
Hepatobiliary disorders	Frequent Frequency unknown	Dyspepsia, gastroenteritis (nausea), pain (dental), diarrhoea, thirst, abdominal pain, nausea, vomiting, dry mouth, bowel movement irregularity, flatulence, salivary hypersecretion
Skin and subcutaneous tissue disorders	Less frequent Frequency unknown	Alopecia, night sweats Pruritus*, urticaria*, bruising*, angiodermatitis*, erythema nodosum*, back pain, muscle weakness, pain in extremities
Musculoskeletal disorders and bone disorders	Less frequent	Arthritis*, myalgia, muscle cramps, joint pain, osteoporosis
Renal and urinary disorders	Less frequent	Pyuria, enuresis in children
General disorders and administrative site investigations	Frequent Frequency unknown	Pyrexia*, oedema*, asthenia*, fatigue*
Laboratory tests	Less frequent	Alanine aminotransferase increased, aspartate aminotransferase increased, creatinine serum increased, haemoglobin decreased, haemoglobin decreased, white blood cell count decreased

*Post-marketing

6. Description of selected adverse reactions

With prolonged treatment in clinical trials with a limited number of patients for up to 2 years for adults, and up to 6 months for paediatric patients < 16 - 14 years of age, the safety profile did not change.

Patients on therapy with SINTAR may present with systemic eosinophilia, sometimes presenting with clinical features of vasculitis consistent with Churg-Strauss syndrome (see section 4.4).

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicine is important. It allows continued monitoring of the benefit/risk balance of the medicine. Healthcare professionals are asked to report suspected adverse drug reactions to SAHPRA via the MedSafety App (MedSafety X SAHPRA) and reporting platform (who-urg.org) found on SAHPRA website.

An event can also sent directly to the company (pharmacomplains@pharmadynamics.co.za), to ensure safety of the product.

4.9 Overdose

Signs and symptoms:

There were no adverse experiences reported in the majority of overdose reports.

The most frequently occurring adverse experiences were consistent with the safety profile of montelukast and included headache, vomiting, abnormal pain, dizziness, myalgia, somnolence and thirst.

In chronic asthma studies, montelukast has been administered at doses up to 200 mg/day to adult patients for 22 weeks and in short-term studies, from up to 800 mg/day to patients for approximately one week without clinically important adverse effects.

Management of overdose:

No specific information is available on the treatment of overdose with SINTAR. As it is known whether montelukast, as in SINTAR, is dialysable by peritoneal or haemodialysis.

Treatment is symptomatic and supportive.

7. PHARMACOLOGICAL PROPERTIES

7.1 Therapeutic indications

Pharmacotherapeutic group: Leukotriene receptor antagonists
ATC code: R03DC01

Pharmacological classification: A10.2.2 Other anti-asthmatics (Leukotriene receptor antagonist)

7.2 Mechanism of action

Montelukast is a selective leukotriene receptor antagonist of the cysteinyl leukotriene receptor CysLT₁. Montelukast selectively inhibits the biological actions of cysteinyl leukotrienes (LTD₄, LTE₄, LTX₄) which are released from mast cells including mast cells in the human airway. All the cysteinyl leukotrienes are potent constrictors of the bronchial smooth muscle. On a molar basis LTD₄ is approximately 1 000 times more potent than histamine as a bronchoconstrictor. The receptor responsible for the bronchoconstrictor effect of leukotrienes is the CysLT₁ receptor. About half of the cysteinyl leukotrienes is an antagonist at the CysLT₂ receptor. In vitro, the two cysteinyl leukotrienes LTC₄ and LTD₄ are selective, high affinity competitive antagonists of the CysLT₁ receptor.

7.3 Pharmacokinetic properties

Absorption:

Montelukast 4 mg:
Montelukast is rapidly absorbed following oral administration. The mean peak plasma concentration (C_{max}) for the 4 mg chewable tablet is achieved 1 hour after administration in paediatric patients 2 - 5 years of age in fasted state. Safety and efficacy were established in clinical studies with the 4 mg chewable tablet under conditions of fasting with regard to the timing of food ingestion.

Montelukast 5 mg:
The mean peak plasma concentration (C_{max}) for the 5 mg chewable tablet is achieved 3 hours (t_{max}) after administration in adults in the fasted state. The mean oral bioavailability is 64 %. A standard meal does not influence the oral bioavailability and distribution.

Elimination:

Binding is more than 90 % to plasma proteins. The steady-state volume of distribution of montelukast averages 8 - 11 litres.

Termination:
Montelukast is extensively metabolised in the liver. In studies with therapeutic dose concentrations of metabolites of montelukast are undetectable at steady state in adults and paediatric patients.

In vitro studies using human liver microsomes indicate that cytochrome P450 3A4 and 2C9 are involved in the metabolism of montelukast. Based on further in vitro studies using human liver microsomes, therapeutic plasma concentrations do not inhibit cytochromes P450 3A4, 2C9, 1A2, 2D6, 2C1B, or 2D6.

Excretion:

Montelukast and its metabolites are excreted almost exclusively via the bile.

In healthy young adults, elimination rates of montelukast are similar in the morning or in the evening. During once daily dosing there is little accumulation of montelukast in plasma (mean plasma half-life is 2.6 hours).

7.4 Pharmacokinetics in special patient groups

Hepatic insufficiency:

Patients with mild-to-moderate hepatic insufficiency and clinical evidence of decreased clearance of decreased metabolism of montelukast resulting in approximately 41 % higher mean montelukast area under the plasma concentration-time curve (AUC) following a single 10 mg dose. The elimination of montelukast is slightly prolonged compared with that in healthy subjects (mean half-life of montelukast is 2.6 hours vs. 2.0 hours). No dosage adjustment is required in patients with mild-to-moderate hepatic insufficiency. There are no clinical data in patients with severe hepatic insufficiency (Child-Pugh score greater than 9).

Renal insufficiency:

Since montelukast and its metabolites are not excreted in the urine, the pharmacokinetics of montelukast was not evaluated in patients with renal insufficiency. No dosage adjustment is recommended in these patients.

Elderly:

The pharmacokinetic profile and the oral bioavailability of a single 10 mg oral dose of montelukast are similar in elderly and younger adults. The plasma half-life of montelukast is slightly longer in the elderly. No dosage adjustment in the elderly is required.

7.5 Preclinical safety data

Not applicable.

8. PHARMACEUTICAL PARTICULARS

8.1 List of excipients

SINTAR 4 mg and SINTAR 5 mg:
Aspartame (sweetener)
Cherry flavour
Croscarmellose sodium
Magnesium stearate red (colourant)
Mannitol
Microcrystalline cellulose.

SINTAR 10 mg:
Aspartame (sweetener)
Cherry flavour
Croscarmellose sodium
Magnesium stearate red (colourant)
Mannitol
Microcrystalline cellulose.

8.2 Incompatibilities

Not applicable.

8.3 Shelf life

36 months

8.4 Special precautions for storage

Store at or below 25 °C.
Keep the blister in the outer carton until required for use. Protect from moisture and light.

8.5 Nature and contents of container

Aluminium foil overwrap silver coloured blister strips, packed in an outer carton. Available in a pack size of 30 tablets.

8.6 Special precautions for disposal

No special precautions.

7. HOLDER OF THE CERTIFICATE OF REGISTRATION

Pharma Dynamics (Pty) Ltd
1 Floor Grapevine House, Steenberg Office Park
Silverwood Close
Wentworth 7945
c/o Cape Town, South Africa
Tel.: +27 21 507 7000
or 0650-THEMA (Tel 742 762)

8. REGISTRATION NUMBERS

SINTAR 4 mg: AA410/2.2/0825
SINTAR 5 mg: AA410/2.2/0831
SINTAR 10 mg: AA410/2.2/0831

9. DATE OF FIRST AUTHORISATION

08 November 2008

10. DATE OF REVISION OF THE TEXT

10 August 2025

NAMIBIA:

SINTAR 4 mg: NAM[S2] 13/10.2.20214
SINTAR 5 mg: NAM[S2] 13/10.2.20215
SINTAR 10 mg: NAM[S2] 13/10.2.20216

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