

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE MEDICINAL PRODUCT

Ebastine tablets 10mg and 20mg

Strength: 10mg/20mg

Pharmaceutical form: Tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Ebastine tablets 10mg

Each film-coated tablet contains:

Ebastine BP 10mg

Ebastine tablets 20mg

Each film-coated tablet contains:

Ebastine BP 20mg

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Tablets

Ebastine tablets 10mg

White colored, circular, biconvex, film-coated tablets

Ebastine tablets 20mg

Light yellow colored, circular, biconvex, film-coated tablets.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Ebastine is indicated for the symptomatic treatment of allergic rhinitis (seasonal and perennial) whether or not associated with allergic conjunctivitis.

4.2 Posology and method of administration

Allergic rhinitis:

Ebastine at a dose of 10 mg once-a-day is efficacious in the relief of the symptoms of allergic rhinitis; in patients with more severe symptoms including perennial allergic rhinitis, 20 mg once a-day provides additional benefit.

Idiopathic chronic urticaria:

The adult dose is one 10 mg tablet once daily.

Ebastine may be taken with or without food.

The safety and efficacy of Ebastine in children less than 12 years has not been established.

4.3 Contraindications

Patients with a known hypersensitivity to ebastine or any of the tablet ingredients.

Patients with severe liver insufficiency.

4.4 Special warnings and precautions for use

Since there is a pharmacokinetic interaction with antimycotics of the imidazol type like ketoconazole or macrolid antibiotics like erythromycin (*see section 4.5, Interaction with other medicinal products and other forms of interactions*) care should be taken when prescribing ebastine with medicines that contain such drugs.

Ebastine should be used with caution in patients with renal insufficiency or mild to moderate hepatic insufficiency (*see section 4.2, Posology and method of administration, and section 5.2, Pharmacokinetic properties*).

Patients with rare hereditary problems of galactose intolerance, the Lapp lactase deficiency or glucose-galactose malabsorption should not take this medicine.

4.5 Interaction with other medicinal products and other forms of interaction.

There is no interaction of ebastine with theophylline, warfarin, cimetidine, diazepam or alcohol.

When ebastine is administered with food there is a 1.5 to 2.0 fold increase in the plasma levels and the AUC of the main active acid metabolite of ebastine. This increase does not alter the T_{max} .

The administration of ebastine with food causes no modification in its clinical effect.

Pharmacokinetic interactions have been observed when ebastine is given with either ketoconazole or erythromycin (*see section 5.2., Pharmacokinetic properties*). These interactions resulted in increased plasma concentrations of ebastine and to a lesser extent of carebastine which were, nevertheless, not associated with any clinically significant pharmacodynamic consequences in limited data from clinical studies.

4.6 Pregnancy and lactation

The safety of Ebastine 20mg tablets during human pregnancy has not been established. Studies in rats and rabbits do not indicate any direct or indirect harmful effects with respect to the development of the embryo or foetus, or the course of gestation and peri-and post-natal development. No teratogenic effects have been identified in animals. However, there are no well-controlled studies in pregnant women and reproductive studies are not always predictive of human response. Therefore, Ebastine should be used during pregnancy only if clearly needed.

It is not known whether ebastine is excreted in human milk, therefore, ebastine should not be used during lactation.

4.7 Effects on ability to drive and use machines

In man, psychomotor function has been investigated extensively and no effect was found at recommended therapeutic doses.

A study focused on car driving ability indicated that ebastine did not induce any driving impairment even at 30mg. Based on these results, ebastine at recommended therapeutic doses does not effect the ability to drive or operate machines.

4.8 Undesirable effects

The adverse reactions reported in association with the use of ebastine presented according to the system organ classes in a decreasing frequency, are listed below. According to frequency, reported adverse reactions have been classified in the category very rare (<1/10000).

Cardiac disorders: palpitations, tachycardia

Gastrointestinal disorders: Dry mouth, dyspepsia, abdominal pain, nausea, vomiting

General disorders and administration site conditions: Asthenia, oedema

Hepatobiliary disorders: liver function test abnormal

Infections and infestations: Pharyngitis, rhinitis, sinusitis

Nervous system disorders: Somnolence, headache, dizziness, dysaesthesia

Psychiatric disorders: insomnia, nervousness

Reproductive system and breast disorders: menstrual disorders

Respiratory, thoracic and mediastinal disorders: Epistaxis

Skin and subcutaneous tissue disorders: Rash, urticaria, dermatitis

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected Adverse reaction to the National Regulatory Authority

4.9 Overdose

In studies conducted at a high dosage, no particular signs or symptoms were observed up to 100mg given once daily. There is no specific antidote for ebastine. Gastric lavage, monitoring of vital functions including ECG and symptomatic treatment should be carried out.

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

ATC code: R06A X22

Pre-Clinical

Ebastine has been shown to produce a rapid and long-lasting inhibition of histamine-induced effect and to have a strong affinity towards H1-receptors.

Following oral administration neither ebastine nor its metabolites cross the blood brain barrier. This characteristic is consistent with the low sedative profile seen in the results of experiments studying the effects of ebastine on the central nervous system.

In vitro and in vivo data demonstrate that ebastine is a potent, long lasting and highly selective histamine H1-receptor antagonist, devoid of untoward CNS actions and anticholinergic effects.

Clinical

Histamine skin wheal studies have shown a statistically and clinically significant antihistamine effect beginning a 1 hour and lasting in excess of 48 hours. After the discontinuation of the

administration of a 5 day-course treatment with ebastine, the antihistamine activity remained apparent for more than 72 hours. This activity parallels the plasma levels of the main active metabolite, carebastine.

After repeated administration, inhibition of the peripheral receptors remained at a constant level, without tachyphylaxis. These results suggest that ebastine at a dose of at least 10mg produces a rapid, intense and long-lasting inhibition of peripheral H1-histamine receptors, consistent with a once-a-day administration.

Sedation was studied through pharmaco-EEG, cognitive performance, visual-motor co-ordination tests and subjective estimates. There was no significant increase of sedation at the recommended dose. These results are consistent with those from double-blind clinical trials; the incidence of sedation is comparable between placebo and ebastine.

The actions of ebastine on the heart have been investigated in clinical trials. No influence on the heart including prolongation of the QT interval has been observed at the recommended doses. In two studies using repeated doses up to 100 mg per day or 500 mg as a single dose, with a limited number of subjects (n=24 and n=5) small increases in heart rate of a few beats per minute resulted in a shortening of the QT interval with no significant effect on the appropriately corrected QTc.

5.2 Pharmacokinetic properties

Ebastine is rapidly absorbed and undergoes extensive first pass metabolism following oral administration. Ebastine is almost totally converted to the pharmacologically active acid metabolite, carebastine. After a single 10mg oral dose, peak plasma levels of the metabolite occur at 2.6 to 4 hours and achieve levels of 80 to 100ng/ml. The half-life of the acid metabolite is between 15 to 19 hours with 66% of the drug being excreted in the urine mainly as conjugated metabolites. Following the repeated administration of 10mg once-daily, steady state was achieved in 3 to 5 days with peak plasma levels ranging from 130 to 160ng/ml.

After a single 20mg oral dose, peak plasma levels of ebastine occur at 1 to 3 hours and achieve a mean level of 2.8ng/ml. Peak plasma levels of the metabolite, carebastine, achieve a mean value of 157ng/ml.

In vitro studies with human liver microsomes show that ebastine is metabolised to carebastine predominantly via the CYP3A4 pathway. Concurrent administration of ebastine with ketoconazole or erythromycin (both CYP3A4 inhibitors) to healthy volunteers was associated

with significantly increased plasma concentrations of ebastine and carebastine, especially with ketoconazole (see Section 4.5 Interaction with Other Medicaments and Other Forms of Interaction).

Both ebastine and carebastine are highly protein bound, >95%.

In elderly subjects, no statistically significant changes were observed in the pharmacokinetics compared to those of young adult volunteers.

In patients with renal insufficiency the elimination half-life of carebastine was increased to 23-26 hours. Similarly, in patients with hepatic insufficiency, the half-life increased to 27 hours.

5.3 Preclinical safety data

Not applicable.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Microcrystalline Cellulose BP (RANQ PH 102)

Pregelatinized Starch BP (Starch 1500)

Lactose BP (Pharmatose DCL 15)

Croscarmellose Sodium BP (Primellose)

Magnesium Stearate BP

Hypromellose BP (HPMC 15 CPS)

Isopropyl Alcohol BP

Dichloromethane BP (Methylene Chloride)

Talc BP

Titanium Dioxide BP

Ferric Oxide USP (Yellow-E172)

Polyethylene Glycol 6000 USP

6.2 Incompatibilities

Not applicable

6.3 Shelf life

36 Months

6.4 Special precautions for storage

Store below 30°C. Keep out from the reach of children.

6.5 Nature and contents of container

Alu-Alu Pack of 10 Tablets

6.6 Special precautions for disposal and other handling

There is no special requirement for disposal.

7. Marketing Authorization Holder

MICRO LABS LIMITED

31, Race course road

Bangalore-560001

INDIA

8. Marketing Authorization Number

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9. Date of first authorization/renewal of authorization

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10. Date of revision of text

Jan 2026

11. Dosimetry

Not Applicable

12. Instructions for Preparation of Radiopharmaceuticals

Not Applicable