

For the use only of a Registered Medical Practitioner or a Hospital or a Laboratory



DORZOLAMIDE & TIMOLOL EYE DROPS IP

COMPOSITION

Dorzolamide Hydrochloride IP equivalent to Dorzolamide 2.0% w/v, Timolol Maleate IP equivalent to Timolol 0.5 % w/v, Purified Water IP q.s. Specially designed container to avoid preservative use.

CLINICAL PHARMACOLOGY

Mechanism of Action: Dorzoeye-T is comprised of two components: Dorzolamide HCL & Timolol Maleate. Each of these two components decreases elevated intracoular pressure, whether or not associated with glaucoma, by reducing aqueous humour secretion pressure is a major risk factor in the pathogenesis of optic nerve and glaucomatous visual field loss. Higher the level of intracoular pressure, greater will be the likehood of glaucomatous visual field loss & optic nerve damage. Dorzolamide HCL is an inhibitor of human carbonia enhydrase II. Inhibition of carbonia enhydrase II inhibition of carbonia enhydr

Pharmacokinetics / Pharmacodynamics

Dozzolamide HCL: When topically applied, Dozzolamide reaches the systemic circulation. To assess and expotential for systemic carbonic anhydrase inhibition following the polar inhibition following the properties of the propertie

To stimulate the systemic exposure after long – term ocular administration, Dorzolamide was given orially to eight healthy subjects for up to 20 weeks. The oral dose of 2 mg, b.i.d. closely approximates the amount of furg delivered by topical ocular administration of Dorzolamide 2% Lid. Steady states was reached within 8 weeks. The inhibition of CA-II & total carbonic anhydrase activities was below the degree of inhibition anticipated to be necessary for a pharmacological effect on renal function in healthy individuals.

Timolol Maleate: In a study of plasma drug concentrations in six subjects, the systemic exposure to Timolol was determined following twice daily topical administration to Timolol Maleate ophthalmic solution 0.5 %. The mean peak plasma concentration following morning dosing was 0.46 ng/mL.

INDICATIONS AND USES: Dorzoeye-T is indicated for the reduction of elevated intraocular pressure in patients with open-angle glaucoma or ocular hypertension. It has additive value in patients who are insufficiently responsive to beta —blockers and in patients were the desire target pressure are difficult to achieve with a single drug.

CONTRAINDICATIONS: Dorzoeye-T is contraindicated in patients with (1) bronchial asthma; (2) a history of bronchial asthma; (3) sever chronic obstructive pulmonary disease; (4) sinus bradycardia; (5) second or third degree atrioventricular block; (6) overt cardiac failure; (7) cardiogenic shock; or (8) hypersensitivity to any component of this product.

WARNINGS

Systemic Exposure: Dorzoeye-T contains Dorzolamide, a sulfonamide and Timold maleate, a bet and admergic blocking agent and although administered topically, is absorbed systemically. Therefore, the same type of adverse relations, as the at a definition of the same type of properties and although the properties and prope

PRECAUTIONS:

General: Dorzolamide has not been studied in patients with severe renal impairment, because Dorzolamide kit metabolites are excerted predominantly by the kidney, Dorzoeye-T is not recommended in such patients. Dorzolamide has been studied in patients with action and should therefore be used with caution in such patients. While taking beta-blockers patients with a history of atopy or a history of severe anaphylactic reactions to a variety of latlergens may be reactive to repeated accidental, diagnostic, or therapeutic challenges with such allergens. Dat patients may be unresponsive to the usual doses of epinephrine use to treat anaphylactic reactions. The management of patients with acute angle closure glaucoma requires therapeutic interventions in addition to ocular hypotensive agents. Dorzoeye-T has not been studied in patients with acute angle closure glaucoma. Choroidal detachment after filtration procedure has been reported with the administration of aqueous suppressant therapy (e.g., Timolo)l. Beta adrenergic blocked has been reported potentate muscles weakness consistent with certain myasthenia symptoms (e.g., Diplopia, Plosis, generalise weakness). Timolol has been reported potentate muscles weakness consistent with certain myasthenia gymptoms (e.g., Diplopia, Plosis, generalise weakness). Timolol has been reported rarely to increase muscle weakness in some patients with myasthenia gravis or myasthenic symptoms. There have been reports of bacterial keralitis associated with the use of multiple dose container of topical ophthalmit products. This container had being device, Patients should be advice that if they develop any coular relations, particularly controlicities and if eractions, they should discontinue use and seek their physician dive. Patients should be instructed to avoid allowing the tip of the dispensing container to contact the eye or surrounding structures. Contact lenses should be remove prior to administrations of the solution. Lenses may be reinserted 15 min. following administration of D

Pregnancy: Teratogenic effects. Pregnancy category C. Developmental toxicity studied with the Dorzolamide HCL. In rabits at oral doses of = 2.5 mg / kg/ day (31 times the recommended human ophthalmic dose) revealed malformations of the vertebral bodies. These malformations occurred at dose that cause metabolic acidosis with decreased body weight & decrease fetal weights. No treatments – related malformations were seen at 1.0 mg / kg/ day (13 times the recommended human ophthalmic dose). Feratogenicity studies with timotol on mice, rats and rabbits oral doses up to 50 mg/kg/day (7 day (13 times the recommended human ophthalmic dose) demonstrated no evidence of fetal malformations. Although delayed fetal ossification was observed at these dose in rats, there were no adverse effects on postnatal developent of offspring. Doses of 1.000 mg/ day (142,000 times the systemic exposure following the maximum recommends human ophthalmic dose) were maternotoxic in mice and resulted in an aircreased number of fetal responsions. Increased number of fetal responsions. Increased number of fetal responsions for the systemic exposure following the maximum recommended human ophthalmic dose, in this case without apparent maternotoxicity. There are no adequate and well controlled studies in pregnant woman. Dozoeve – T should be use during organancy only if the potential benefit its lifes the optential risk to the feetus.

Nusing Mothers: It is not known whether Dorzolamide is excreted in human milk. Timolof maleate has been detected in human milk following oral and ophthalmic drug administration. Because of the potential for serious adverse reactions from Dorzoeye-T in nursing infants, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into accounts of the drug to the mother.

Paediatric Use: Safety and effectiveness paediatric patients have not been established.

Geriatric Use: No overall differences in safety or effectiveness have been observe between elderly and younger patients.

ADVERSE REACTIONS: Adverse reactions that have been reported with the individual components are listed below:

Dorzolamide-Allergic/hypersensitivity: Signs and symptoms of local reactions including palpebral reactions and systemic allergic reactions including palpebral reactions and systemic allergic reactions including angledema, bronchospasm, pruritus, urticaria; Body as whole: asthenial fatigue; skin' mucus membrane: contact dermatitis; epistaxis; throat irritation; Special senses: Evelid crustino, signs and symptoms of coular allergic reactions and transient myooia.

Special seriess. 1 year-ic utsains, significants or work and a relative process and utraintent myogan. Timolol (ocular administration) - Body as whole a sathenia/fatigue, cardiovascular arrhythmia, syncope, heart block, cerebral ischemia, worsening of anginapectorios, palipitation, cardiac arrest, pulmonary edema, edema, claudication, Raynaud's phenomenon, and cold hands and feet, digestive anorexia; immunologic: systemic lupus erythematosus; nerves system! o psychiatric increase in sign and symptoms of myasthenia gravis, somnolence, insomnia, nightmares, behavioural changes and psychic disturbances including confusion, hallucinations, anxiety, disorientation, nervousness and memory loss; skin alopecia, psoriasiform, rash or exacerbation of psoriasis; hypersensitivity; Sign and symptoms of systemic allergic reactions, including anaphyaxis, angioedema, urticarial, localised and generalised rash; respiratory: bronchospasm (predominantly in patients with pre-existing branchospassitic disease): endocrine: masked swmotoms of hypodivacement in diabelic palients (see warnings):

Special senses: Ptosis; decrease comea sensitivity; cystoid macula edema; visual disturbances including refractive changes and diplopia; psudopemphigoid; choroidal detachment following filtration surgery (see PRECAUTIONS, generals); and fininitus; urogenital: retropenitioneal fibrosis, decrease fibido, impotence and pervonite sidsease. The following additional adverse effect have been reported in clinical experience with oral.

Timolol maleate or other oral beta blocking agents and may be considered potential effects of ophthalmic timolol maleate; allergic; erythematous rash, fewer combined with aching and sore throat, laryngospasm with respiratory distress; body as whole: extremity pain, decreased exercise tolerance, well-loss; Cardiovascular; worsening of arterial insufficiency, vasodilation; digestive: gastrointestinal pain, hepatomegaly, mesenteric, arterial thrombosis, ischemic collist, hematologic, nonthrombocytopenic purpura; agranulocytosis;

Endoorine: hyperglycaemia , hypoglycaemia; skin: pruntus, skin irritation, increased pigmentation, sweating; musculoskeletal; arthralgia; nervous system/ psychiatric; vertigo, local weakness diminished concentration, reversible mental depression progressing to catationia, an acute reversible syndrome characterised by disorientation for time and place, emotional lability, slightly clouded sensorium and decreased performance on euro psychometrics;

Respiratory: Rales, bronchial obstruction; urogenital; urination difficulties.

OVERDOSAGE: There are no human data available on overdoses with Dorzoeve -T.

DOSAGES AND ADMINISTRATION: The recommended dose is one drop of DORZOEYET in the affected eye(s) 2 times daily.

STORAGE CONDITION: Store at a temperature not exceeding 30°C and protect from light. Keep out of reach of children. Use the solution within 60 days after opening the container

For external use only,

PACK AND PRESERVATION: Dorzoeve-T is available as a sterile solution in 10 ml bottle.



Marketed by:



R Registered Trade Mark

Manufactured in India by:

KH KILITCH HEALTHCARE INDIA LTD. R-904, 905, T.T.C. Industrial Area, M.I.D.C., Navi Mumbai, Dist. Thane, Rabale - 400 701.