

PROMETIN®

Promethazine Hydrochloride Preparations

COMPOSITION

Prometin® 25:

Each film coated tablet contains: Promethazine hydrochloride BP 25mg.

Prometin® ELIXIR:

Each 5ml contains: Promethazine hydrochloride BP 5mg.

PHARMACEUTICAL FORM

Prometin® 25: Pinkish-red film coated tablet

Prometin® ELIXIR: A Sweetened pleasantly flavored liquid.

CLINICAL PARTICULARS

Therapeutic indications

As symptomatic treatment for allergic conditions of the upper respiratory tract and skin including allergic rhinitis, urticaria and anaphylactic reactions to drugs and foreign proteins.

As an antiemetic.

For short term use:

Treatment of insomnia in adults.

For short term use as a paediatric sedative.

Posology and method of administration

Route of administration: Oral.

Not recommended for children under 2 years.

As an antihistamine in allergy:

Children 2-5 years	5ml-15 ml as a single dose or 5ml twice a day. Maximum daily dose 15ml. Prometin® Elixir is recommended for this age group.
Children 5-10 years	10-25 mg as a single dose or 5-10 mg twice a day. Maximum daily dose 25 mg.
Children over 10 years and adults (including elderly)	25 mg as a single dose or 10 mg twice a day. Increasing to a maximum of 25 mg twice a day as required.

As an antiemetic:

Children 2-5 years	5 ml to be taken the night before the journey. To be repeated after 6-8 hours as required. Prometin® Elixir is recommended for this age group.
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Children 5-10 years	10 ml or 10mg to be taken the night before the journey. To be repeated after 6-8 hours as required. Prometin® Elixir or 10 mg Tablets is recommended.
Children over 10 years and adults (including elderly)	25 mg to be taken the night before the journey. To be repeated after 6-8 hours as required.

As a paediatric sedative for short term use and for short term treatment of insomnia in adults:

Children 2-5 years	15ml or 20ml as a single night time dose. Prometin® Elixir is recommended for this age group.
Children 5-10 years	20-25 mg as a single night time dose.
Children over 10 years and adults (including elderly)	25 or 50 mg as a single night time dose.

Contraindications

Not to be used in patients in coma or suffering from CNS depression of any cause.

Not to be given to patients with a known hypersensitivity to promethazine or to any of the excipients.

Contraindicated for use in children less than two years of age because of the potential for fatal respiratory depression.

Should be avoided in patients taking monoamine oxidase inhibitors up to 14 days previously.

SPECIAL WARNINGS AND PRECAUTIONS FOR USE

Prometin® may thicken or dry lung secretions and impair expectoration. It should therefore be used with caution in patients with asthma, bronchitis or bronchiectasis.

Use with care in patients with severe coronary artery disease, narrow angle glaucoma, epilepsy or hepatic and renal insufficiency.

Caution should be exercised in patients with bladder neck or pyloro-duodenal obstruction. The use of promethazine should be avoided in children and adolescents with signs and symptoms suggestive of Reye's Syndrome.

Promethazine may mask the warning signs of ototoxicity caused by ototoxic drugs e.g. salicylates. It may also delay the early diagnosis of intestinal obstruction or raised intracranial pressure through the suppression of vomiting.

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

Prometin® should not be used for longer than 7 days without seeking medical advice.

INTERACTION WITH OTHER MEDICINAL PRODUCTS

Prometin® will enhance the action of any anticholinergic agent, tricyclic antidepressant, sedative or hypnotic. Alcohol should be avoided during treatment. Prometin® may interfere with immunological urine pregnancy tests to produce false-positive or false-negative results. Prometin® should be discontinued at least 72 hours before the start of skin tests as it may inhibit the cutaneous histamine response thus producing false-negative results.

FERTILITY, PREGNANCY AND LACTATION

Prometin® should not be used in pregnancy unless the physician considers it essential. The use of Prometin® is not recommended in the 2 weeks prior to delivery in view of the risk of irritability and excitement in the neonate.

Available evidence suggests that the amount excreted in milk is insignificant. However, there are risks of neonatal irritability and excitement.

EFFECTS ON ABILITY TO DRIVE AND USE MACHINES

Because the duration of action may be up to 12 hours, patients should be advised that if they feel drowsy they should not drive or operate heavy machinery.

UNDESIRABLE EFFECTS

Side effects may be seen in a few patients: drowsiness, dizziness, restlessness, headaches, nightmares, tiredness, and disorientation. Anticholinergic side effects such as blurred vision, dry mouth and urinary retention occur occasionally. Infants are susceptible to the anticholinergic effects of promethazine, while other children may display paradoxical hyperexcitability. The elderly are particularly susceptible to the anticholinergic effects and confusion due to promethazine.

Other side-effects include urticaria, rash, pruritus, anorexia, gastric irritation, palpitations, hypotension, arrhythmias, extrapyramidal effects, muscle spasms and tic-like movements of the head and face. Anaphylaxis, jaundice and blood dyscrasias including haemolytic anaemia rarely occur. Photosensitive skin reactions have been reported. Strong sunlight should be avoided during treatment.

OVERDOSE

Symptoms of severe overdosage are variable. They are characterised in children by various combinations of excitation, ataxia, incoordination, athetosis and hallucinations, while adults may become drowsy and lapse into coma. Convulsions may occur in both adults and children: coma or excitement may precede their occurrence. Cardiorespiratory depression is uncommon. If the patient is seen soon enough after ingestion, it should be possible to induce vomiting with ipecacuanha despite the antiemetic effect of promethazine; alternatively, gastric lavage may be used.

Treatment is otherwise supportive with attention to maintenance of adequate respiratory and circulatory status. Convulsions should be treated with diazepam or other suitable anticonvulsant.

The antiemetic effect of promethazine may be due to blockade of dopaminergic receptors in the Chemoreceptor Trigger Zone (CTZ) of the medulla.

PHARMACOLOGICAL PROPERTIES

Pharmacodynamic properties

Promethazine is a phenothiazine antihistamine, antagonizing the central and peripheral effects of histamine mediated by histamine H1 receptors. The drug does not antagonize histamine at H2 receptors.

Antihistamines competitively antagonize most of the smooth muscle stimulating actions of histamine on the H1 receptors of the gastrointestinal tract, uterus, large blood vessels and bronchial muscle. Increased capillary permeability and oedema formation, flare and pruritus, resulting from actions of histamine on H1 receptors, are also effectively antagonized.

Promethazine appears to act by blocking H1 receptor sites, preventing the action of histamine on the cell. Promethazine rapidly crosses the blood brain barrier and it is thought that the sedative effects of antihistamines are due to blockade of H1 receptors in the brain.

Pharmacokinetic properties

Promethazine is distributed widely in the body. It enters the brain and crosses the placenta. Promethazine is slowly excreted via urine and bile. Phenothiazines pass into the milk at low concentrations.

Promethazine hydrochloride is readily absorbed from the gastrointestinal tract, but undergoes extensive first pass metabolism in the liver. With only 25% of the oral dose reaching the systemic circulation unchanged. After oral therapy therapeutic effects are identifiable at 15-30 minutes and peak plasma concentrations at 2 to 3 hours. Estimates of terminal half-life in blood plasma have been quoted as 4-6 hours. It is extensively plasma protein bound. It is eliminated mainly as metabolites, predominantly by the faecal (via biliary) route, with <1% of the parent compound and CA 10% as the sulfoxide metabolite being excreted in the urine over a 72 hour period.

LEGAL CATEGORY: Prescription Only Medicine (POM).

SHELF LIFE: As per product label.

STORAGE CONDITIONS: Store in a dry place below 30° C. Protect from light. Keep all medicines out of reach of children.

PRESENTATION:

Prometin® 25: Available in Blister Packs of 10 x10 and Bulk Packs of 1000's.

Prometin® ELIXIR: Available in 60ml & 100ml bottles

DATE OF LAST REVIEW: June 2017

LICENCE HOLDER: LABORATORY & ALLIED LTD.

Manufactured by:



Laboratory & Allied Ltd.

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