Methscopolamine Bromide Tablets, USP 2.5 mg and 5 mg Bayshore Pharmaceuticals LLC

Rx Only

DESCRIPTION

Rethiscopolamine Bromide Tablets, USP 2.5 mg and 5 mg contain methiscopolamine bromide USP, an antichalinergic, which occurs as white crystals, or as a white odorless crystalline powder. Methiscopolamine bromide melts at about 225°C with decomposition. The drug is freely soluble in water, slightly soluble in alcohol, and insoluble in ecetane and in chloroform.

The chemical name for methscopolamine bramide is 3-0xa-9-azoniotricyclo [3.3.1.024]nonone, 7-13-1, dray-1-oxo-2-phenyl props the molecular weight is 398.30. ragaxy)-9, 9-dimethyl-, bromide, [7(s)-(1lpha, 2eta, 4eta, 5lpha, 7eta))- and

The structural formula is represented below.

Methscopolamine Bromide Tablets, USP 2.5 mg for oral administration contain 2.5 mg of methscopolamine bromide USP. Methscopolamine Bromide Tablets, USP 5 mg for oral administration contain 5 mg of methscopolamine bromide USP.

Inactive ingredients: microcrystalline cellulose NF, pregelatinized starch NF, colloidal silicon dioxide NF, magnesium stearate NF.

Contains no lactose

Rx Only

2.5 mg and 5 mg

Bromide Tablets, USP

Methscopolamine

Methscopolamine Bromide Tablets, USP

2.5 mg and 5 mg

Rx Only

CHNICAL PHARMACOLOGY

Methscopolamine bromide is an anticholinergic agent which possesses most of the pharmacologic actions of that drug class. These include reduction in volume and total acid content of gastric secretion, inhibition of gastrointestinal mobility, inhibition of solivary excretion, dilation of the pupil and inhibition of accommodation with resulting blurring of vision. Large doses may result in tachycardia.

PHARMACOKINETICS

Methscopolamine bramide is a quaternary ammonium derivative of scopolamine. As a class, these agents are poorly and unreliably absorbed. 1,2 Total absorption of quaternary ammonium derivatives of the alkaloids is 10 to 25%. Rate of absorption is not available. Quaternary ammonium salts have limited absorption from intact skin, and conjunctival penetration is poor. I Little is known of the fate and exception of most of these agents. I Following and administration, drug effects appear in about one hour and persist for 4 to 6 hours. 2 Mathoxoplatmine brantile has limited ability to acoss the blood-brain barrier, 3,4,5 The drug is excreted primarily in the urine and bile, or as unabsorbed drug in feces.² There is no data on the presence of methscopolamine in breast milk; traces of atropine have been found after administration of atropine.

INDICATIONS AND USAGE

Adjunctive therapy for the treatment of peptic ulcer.

METHSCOPOLAMINE BROMIDE HAS NOT BEEN SHOWN TO BE EFFECTIVE IN CONTRIBUTING TO THE HEALING OF PEPTIC LILCER, DECREASING THE RATE OF RECURRENCE OR PREVENTING COMPLICATIONS.

CONTRAINDICATIONS

Glaucoma; obstructive uropathy (e.g., bladder neck obstruction due to prostutic hypertrophy); obstructive disease of the gastrointestinal tract (e.g., pyloroduodenal stenosis); paralytic ileus; intestinal atony of the elderly or debilitated potient; unstable cardiovoscular status in ocute hemorrhage; severe ulcerative colitis; toxic megacolon complicating ulcerative colitis; myasthenia

Methscopolamine Bromide Tablets, USP 2.5 mg and 5 mg is contraindicated in patients who are hypersensitive to methscopolamine bromide or related drugs

WARNINGS

In the presence of high environmental temperature, heat prostration (fever and heat stroke due to decreased sweating) can occur with drug use.

Diarrhea may be an early symptom of incomplete intestinal obstruction, especially in patients with ileostomy or colostomy. In this instance treatment with this drug would be inappropriate and possibly

Methscopolomine bromide may produce drowsiness or blurred vision. The patient should be cautioned regarding activities requiring mental alertness such as operating a motor vehicle or other machinery or performing hazardous work while taking this drug.

With overdosage, a curare-like action may occur, i.e., neuromuscular blockade leading to muscular weakness and possible paralysis.

PRECAUTIONS

1. General precoutions

Use Methiscopolamine Bromide Tablets, USP 2.5 mg and 5 mg with caution in the elderly and in all patients with: outpromic neuropathy, hepatic or renal disease; or ulcerative colitis -large doses may suppress intestinal mobility to the point of producing a paralytic ileus and for this reason precipitate or aggravate "toxic megacolon," a serious complication of the disease

The drug also should be used with caution in patients having hyperthyroidism, coronary heart disease, congestive heart failure, tachyarrhythmia, tachyardia, hypertension, or prostatic hypertrophy.

2. Information for patient See statement under WARNINGS.

3. Laboratory tests

Progress of the peptic ulcer under treatment should be followed by upper gostraintestinal contrast radiology or endoscopy to insure healing. Stool tests for occult blood and blood hemoglabin or hematorait values should be followed to rule out bleeding from the ulcer.

4. Drug interactions

4. Drug interactions and addition antifolinergic effects may result from concomitant use with antipoychotics, tricyclic antifolepressants, and other drugs with antifolinergic effects. Concomitant administration with antacids may interfere with the absorption of methscopolamine bromide.

5. Carcinogenesis, mutagenesis, impairment of fertility
No long-term studies in animals have been performed to evaluate carcinogenic potential.

6. Pregnancy

Pregnancy Category C. Animal reproduction studies have not been conducted with methocopolamine promide, it is also not known whether methscopolamine bramide can cause fetal harm when

administered to a pregnant woman or can affect reproduction capacity. Methscopolamine bromide should be given to a pregnant woman only if clearly needed

7. Nursing mothers

is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when methocopolamine bromide is administered to a nursing women.

Anticholinergic drugs may suppress loctation.

8. Pediatric use

Sefety and efficacy in children have not been established.

ADVERSE REACTIONS

The following adverse reactions have been abserved, but there is not enough data to support an estimate of frequency.

Cardiovascular: Tachycardia, palpitation

Alleraic: Severe alleraic reaction or drug idiosyncrasies including anophyloxis.

CNS: Headaches, nervousness, mental confusion, drowsiness, dizziness

Special Senses: Blurred vision, dilation of the pupil, cycloplegia, increased ocular tension, loss of

Renal: Urinary hesitancy and retention.

Gastrointestinal: Nausea, vomiting, constipation, blocked feeling.

Dermatologic: Decreased swenting, unicaria and other dermal manifestations.

Miscellaneous: Xerostomia, weakness, insomnia, impotence, suppression of lactation.

DRUG ABUSE AND DEPENDENCE Not applicable

OVERDOSAGE

The symptoms of overdosage with Methscopolamine Bramide Tablets, USP 2.5 mg and 5 mg progress from intensification of the usual side effects to CNS disturbances (from restlessness and excitement to psycholic behavior), circulatory changes (flushing, fall in blood pressure, circulatory failure), respiratory failure, paralysis, and coma.

Aleosures to be taken are (1) induction of emesis and (2) injection of physostigmine 0.5 to 2 mg intravenously, and repeated as necessary up to a total of 5 mg. Fever may be treated symptomotically (alkahol sponging, ice packs). Excitement of a degree which demands attention may be managed with sodium thispental 2% solution given slowly introvenously or chloral hydrate (100 to 200 mL of a 2% solution) by sectal influsion. In the event of progression of the curare-like effect to purplyis of the respiratory muscles, artificial respiration should be instituted and maintained until effective respiratory action returns.

The oral LDso in rats is 1,352 to 2,617 mg/kg.

No data is available on the dialyzability of methscopolamine bramide.

DOSAGE AND ADMINISTRATION

The average dosage of Meth-copolarnine Bromide Tablets, USP is 2.5 mg one-half hour before meals and 2.5 to 5 mg at bedtime. A starting dose of 12.5 mg daily will be clinically effective in most patients without the production of appreciable side effects.

If the patient is experiencing symptoms such as severe abdominal pain or tramping which demand prompt relief, the drug may be started on a delty design of 20 mg, administered in doses of 5 mg creehalf hour before meals and at bedtime. If very unpleasant side effects develop promptly, the daily dosage should be reduced. If neither symptomatic relief nor side effects appear, the daily dosage may be increased. Some patients have tolerated 30 mg daily with no unpleasant reactions.

Patients whose dosage has been reduced to eliminate or modify side effects often continue to show adequate response both subjectively in relief of symptoms and objectively as measured by entisecretory effects.

The ultimate aim of therapy is to arrive at a dosage which provides maximal clinical effectiveness with a minimum of unpleasant side effects. Many patients report no side effects on a dosage which gives complete relief of symptoms. On the other hand, some patients have reported severe side effects without appreciable symptomatic relief. Such patients must be considered unsuited for this therapy, Usually they have been or will prove to be similarly intolerant to other anticholizergic drugs. If methscopalamine bromide is to be used in a patient who gives a history of such intolerance, it should be started at a low dosage.

HOW SUPPLIED

Methscopolamine Bromide Tablets, USP 2.5 mg are available as white, round tablets, debossed with "BY1" on one side and plain on the other side, in the following package size: Bottles of 100 (NDC 76385-100-01)

Methscopolamine Bromide Tublets, USP 5 mg are available as white, aval tablets, debassed with "BY2" on one side and plain on the other side, in the following package size: Bottles of 60 (NDC 76385-101-60)

Store at 20 ° to 25 °C (68 ° to 77 °F) [see USP Contro led Room Temperature]. Dispense in a tight, light-resistant container as defined in the USP, with a child-resistant closure (os required).

KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN.

REFERENCES

Gilman AB, Geldman AB, Geodman IA, eds.
 The Pharmacological Basis of Therapeutics. 6th ed. New York: MacMillan Publishing Company. 1980.

2. American Haspital Farmulary Service. American Society of Hospital Pharmacists. Bethesda,

3. Domino EF, Corasen G. Central and Peripheral Effects of Muscarinic Cholinergic Blocking Agents in Man. Anesthesiology 1967;23:568-574.

Magensen L, Orinius E. Arrhythmic Complications after Parasympathetic Treatment of Bradyarrhythmias in a Coronery Care Unit. Acta Med Scand 1971;190:495-498.

5. Neeld JB Jr., et al. Cardiac Rate and Rhythm Changes with Atropine and Methscapolamine. Clin Pharmocol Ther 1975;17(3):290-295.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088

Manufactured for.

Bayshore Pharmaceuticals LLC Short Hills, NJ 07078

1-800-593-5725

Issued: 01/13