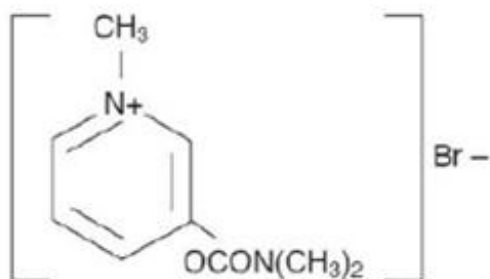


PYRIDOSTIGMINE BROMIDE- pyridostigmine bromide tablet
Method Pharmaceuticals, LLC

Pyridostigmine Bromide Tablets, USP

DESCRIPTION

Pyridostigmine bromide tablets, USP (pyridostigmine bromide) are an orally active cholinesterase inhibitor. Chemically, pyridostigmine bromide is 3-hydroxy-1-methylpyridinium bromide dimethylcarbamate. Its structural formula is:



Pyridostigmine bromide tablets, USP are available in the following form:

Tablets containing 60 mg pyridostigmine bromide; each tablet also contains anhydrous lactose, colloidal silicon dioxide and stearic acid.

CLINICAL PHARMACOLOGY

Pyridostigmine bromide tablets inhibits the destruction of acetylcholine by cholinesterase and thereby permits freer transmission of nerve impulses across the neuromuscular junction. Pyridostigmine is an analog of neostigmine (Prostigmin™), but differs from it in certain clinically significant respects; for example, pyridostigmine is characterized by a longer duration of action and fewer gastrointestinal side effects.

INDICATIONS AND USAGE

Pyridostigmine bromide tablets are useful in the treatment of myasthenia gravis.

CONTRAINDICATIONS

Pyridostigmine bromide tablets are contraindicated in mechanical intestinal or urinary obstruction, and particular caution should be used in its administration to patients with bronchial asthma. Care should be observed in the use of atropine for counteracting side effects, as discussed below.

WARNINGS

Although failure of patients to show clinical improvement may reflect under dosage, it

can also be indicative of overdose. As is true of all cholinergic drugs, overdose of pyridostigmine bromide may result in cholinergic crisis, a state characterized by increasing muscle weakness which, through involvement of the muscles of respiration, may lead to death. Myasthenic crisis due to an increase in the severity of the disease is also accompanied by extreme muscle weakness, and thus may be difficult to distinguish from cholinergic crisis on a symptomatic basis. Such differentiation is extremely important, since increases in doses of pyridostigmine bromide or other drugs of this class in the presence of cholinergic crisis or of a refractory or "insensitive" state could have grave consequences. Osserman and Genkins ¹ indicate that the differential diagnosis of the two types of crisis may require the use of Tensilon TM (edrophonium chloride) as well as clinical judgment. The treatment of the two conditions obviously differs radically. Whereas the presence of myasthenic crisis suggests the need for more intensive anticholinesterase therapy, the diagnosis of cholinergic crisis, according to Osserman and Genkins ¹, calls for the prompt withdrawal of all drugs of this type. The immediate use of atropine in cholinergic crisis is also recommended.

Atropine may also be used to abolish or obtund gastrointestinal side effects or other muscarinic reactions; but such use, by masking signs of overdose, can lead to inadvertent induction of cholinergic crisis.

For detailed information on the management of patients with myasthenia gravis, the physician is referred to one of the excellent reviews such as those by Osserman and Genkins ², Grob ³ or Schwab ^{4,5}

Usage in Pregnancy

The safety of pyridostigmine bromide tablets during pregnancy or lactation in humans has not been established. Therefore, use of pyridostigmine bromide tablets in women who may become pregnant requires weighing the drug's potential benefits against its possible hazards to mother and child.

PRECAUTIONS

Pyridostigmine is mainly excreted unchanged by the kidney. ^{6,7,8} Therefore, lower doses may be required in patients with renal disease, and treatment should be based on titration of drug dosage to effect. ^{6,7}

Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

ADVERSE REACTIONS

The side effects of pyridostigmine bromide tablets are most commonly related to overdose and generally are of two varieties, muscarinic and nicotinic. Among those in the former group are nausea, vomiting, diarrhea, abdominal cramps, increased peristalsis, increased salivation, increased bronchial secretions, miosis and diaphoresis. Nicotinic side effects are comprised chiefly of muscle cramps, fasciculation and weakness. Muscarinic side effects can usually be counteracted by atropine, but for reasons shown in the preceding section the expedient is not without danger. As with any compound containing the bromide radical, a skin rash may be seen in an occasional

patient. Such reactions usually subside promptly upon discontinuance of the medication.

To report SUSPECTED ADVERSE REACTIONS, contact FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DOSAGE AND ADMINISTRATION

Pyridostigmine bromide tablets, USP are available in following dosage form:

Conventional Tablets

each containing 30 mg pyridostigmine bromide.

Dosage

The size and frequency of the dosage must be adjusted to the needs of the individual patient.

Conventional Tablets

The average dose is ten 60 mg tablets, spaced to provide maximum relief when maximum strength is needed. In severe cases as many as 25 tablets a day may be required, while in mild cases two to twelve tablets a day may suffice.

NOTE: For information on a diagnostic test for myasthenia gravis, and for the evaluation and stabilization of therapy, please see product literature on Tensilon (edrophonium chloride).

HOW SUPPLIED

Tablets, are available as white, flat-faced tablets containing 60 mg pyridostigmine bromide, USP in bottles of 30 (NDC 58657-811-30), 90 (NDC 58657-811-90) and 100 (NDC 58657-811-01). Each tablet is white to off-white, round, flat-faced tablet, debossed with "C 60" on one side and a quadrisect scored on the other side.

Store 25°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F) [See USP Controlled Room Temperature]. Preserve in a tight, light-resistant container.

Keep pyridostigmine bromide tablets, USP in a dry place with the silica gel enclosed

REFERENCES

1. Osserman KE, Genkins G. Studies in myasthenia gravis: Reduction in mortality rate after crisis. *JAMA*. Jan 1963; 183:97-101.
2. Osserman KE, Genkins G. Studies in myasthenia gravis. *NY State J Med*. June 1961; 61:2076-2085.
3. Grob D. Myasthenia gravis. A review of pathogenesis and treatment. *Arch Intern Med*. Oct 1961;108:615-638.
4. Schwab RS. Management of myasthenia gravis. *New Eng J Med*. Mar 1963; 268:596-597.
5. Schwab RS. Management of myasthenia gravis. *New Eng J Med*. Mar 1963; 268:717-719.
6. Cronnelly R, Stanski DR, Miller RD, Sheiner LB. Pyridostigmine kinetics with and

without renal function. Clin Pharmacol Ther. 1980; 28:No. 1,78-81.

7. Miller RD. Pharmacodynamics and pharmacokinetics of anticholinesterase. In: Ruegheimer E, Zindler M, ed. Anaesthesiology. (Hamburg, Germany: Congress; Sep 14-21, 1980; 222-223.) (Int Congr. No. 538), Amsterdam, Netherlands: Excerpta Medica; 1981.
8. Breyer-Pfaff U, Maier U, Brinkmann AM, Schumm F. Pyridostigmine kinetics in healthy subjects and patients with myasthenia gravis. Clin Pharmacol Ther. 1985; 5:495-501.

Manufactured by:

Method Pharmaceuticals, LLC

Southlake, TX 76092

Distributed by:

Method Pharmaceuticals, LLC

Fort Worth, Texas 76118

Revised: 03/2024

PRINCIPAL DISPLAY PANEL

NDC 58657-811-30

Pyridostigmine

Bromide Tablets, USP

60 mg

Rx Only

30 Tablets

Unit-of-use NDC 58657-811-30

**Pyridostigmine
Bromide Tablets, USP**

12MM BLANK GLUE AREA

60 mg

10MM VARNISH FREE AREA

Rx only

CAUTION: EXTREMELY MOISTURE SENSITIVE.
DO NOT REMOVE DESICCANT. CLOSE TIGHTLY.

30 Tablets

Method Pharmaceuticals

Each tablet contains 60 mg Pyridostigmine bromide, USP. Dispense in original container. IMPORTANT: These tablets are hygroscopic. Keep in a dry place with the silica gel enclosed. Usual Dosage: See accompanying package insert. Store at 25°C (77°F); excursions permitted between 15° to 30°C (59° to 86°F). [see USP Controlled Room Temperature]. Preserve in a tight, light-resistant container.

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

MH/DRUGS/PD/182
213069

Manufactured for:
Method Pharmaceuticals, LLC
Southlake, TX 76092

Distributed by:
Method Pharmaceuticals, LLC
Southlake, TX 76092

Issued: 03/2024

NDC 58657-811-90

Pyridostigmine

Bromide Tablets, USP

60 mg

Rx Only

90 Tablets

Unit-of-use NDC 58657-811-90

**Pyridostigmine
Bromide Tablets, USP**

12 MM BLANK FOR GLUE

60 mg

Rx only

10 MM BLANK FOR GLUE

90 Tablets

Method Pharmaceuticals

CAUTION: EXTREMELY MOISTURE SENSITIVE.
DO NOT REMOVE DESICCANT. CLOSE TIGHTLY.

Each tablet contains 60 mg Pyridostigmine bromide, USP. Dispense in original container. IMPORTANT: These tablets are hygroscopic. Keep in a dry place with the silica gel enclosed. Usual Dosage: See accompanying package insert. Store at 25°C (77°F); excursions permitted between 15° to 30°C (59° to 86°F). [see USP Controlled Room Temperature]. Preserve in a tight, light-resistant container.

KEEP THIS AND ALL DRUGS OUT OF THE REACH OF CHILDREN. MH/DRUGS/PD/182 213070 Issued: 03/2024

Manufactured for: Method Pharmaceuticals, LLC Southlake, TX 76092

Distributed by: Method Pharmaceuticals, LLC Southlake, TX 76092

NDC 58657-811-01

Pyridostigmine

Bromide Tablets, USP

60 mg

Rx Only

100 Tablets

Unit-of-use NDC 58657-811-01

**Pyridostigmine
Bromide Tablets, USP**

12 MM BLANK FOR GLUE

60 mg

Rx only

10 MM BLANK FOR GLUE

100 Tablets

Method Pharmaceuticals

CAUTION: EXTREMELY MOISTURE SENSITIVE.
DO NOT REMOVE DESICCANT. CLOSE TIGHTLY.

Each tablet contains 60 mg Pyridostigmine bromide, USP. Dispense in original container. IMPORTANT: These tablets are hygroscopic. Keep in a dry place with the silica gel enclosed. Usual Dosage: See accompanying package insert. Store at 25°C (77°F); excursions permitted between 15° to 30°C (59° to 86°F). [see USP Controlled Room Temperature]. Preserve in a tight, light-resistant container.

KEEP THIS AND ALL DRUGS OUT OF THE REACH OF CHILDREN. MH/DRUGS/PD/182 213071 Issued: 03/2024

Manufactured for: Method Pharmaceuticals, LLC Southlake, TX 76092

Distributed by: Method Pharmaceuticals, LLC Southlake, TX 76092

PYRIDOSTIGMINE BROMIDE

pyridostigmine bromide tablet

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:58657-811
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
PYRIDOSTIGMINE BROMIDE (UNII: KVI301NA53) (PYRIDOSTIGMINE - UNII:19QM69HH21)	PYRIDOSTIGMINE BROMIDE	60 mg

Inactive Ingredients

Ingredient Name	Strength
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	
ANHYDROUS LACTOSE (UNII: 3SY5LH9PMK)	
STEARIC ACID (UNII: 4ELV7Z65AP)	

Product Characteristics

Color	white (white to off white)	Score	2 pieces
Shape	ROUND (flat-faced)	Size	10mm
Flavor		Imprint Code	IT;106
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:58657-811-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	06/15/2024	
2	NDC:58657-811-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/15/2024	
3	NDC:58657-811-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	06/15/2024	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA211181	06/15/2024	

Labeler - Method Pharmaceuticals, LLC (060216698)

