

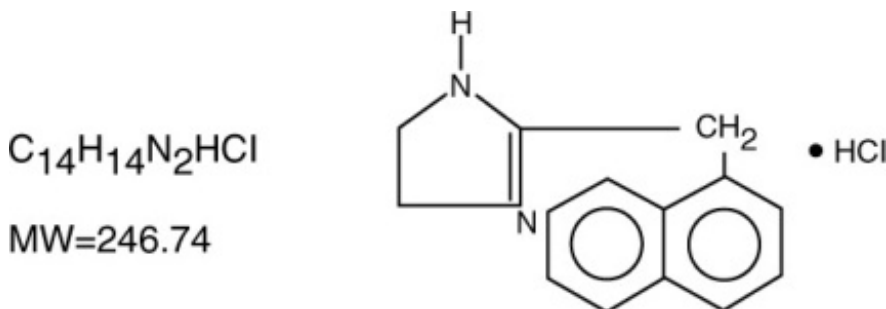
**AK-CON- naphazoline hydrochloride solution/ drops**  
**Preferred Pharmaceuticals, Inc.**

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**Naphazoline Hydrochloride**  
**Ophthalmic Solution USP, 0.1%**

**Rx only**

**DESCRIPTION:**

Naphazoline Hydrochloride, an ocular vasoconstrictor, is an imidazoline derivative sympathomimetic amine. It occurs as a white, odorless crystalline powder having a bitter taste and is freely soluble in water and in alcohol. The active ingredient is represented by the structural formula:



**Chemical Name:**

2-(1-naphthylmethyl)-2-imidazole monohydrochloride

**Each mL contains:**

**Active:** Naphazoline Hydrochloride 1 mg (0.1%).

**Inactives:** Boric Acid, Edetate Disodium, Sodium Carbonate, Sodium Chloride and Hydrochloric Acid may be added to adjust pH (5.5 to 7.0), and Purified Water USP.

**Preservative:** Benzalkonium Chloride 0.1 mg (0.01%). Naphazoline Hydrochloride Ophthalmic Solution, USP, 0.1% is a sterile solution with a pH between 5.5 and 7.0.

**CLINICAL PHARMACOLOGY:**

Naphazoline constricts the vascular system of the conjunctiva. It is presumed that this effect is due to direct stimulation of the drug upon the alpha adrenergic receptors in the arterioles of the conjunctiva resulting in decreased conjunctival congestion. Naphazoline belongs to the imidazoline class of sympathomimetics.

**INDICATIONS AND USAGE:**

Naphazoline Hydrochloride Ophthalmic Solution is indicated for use as a topical ocular vasoconstrictor.

**CONTRAINDICATIONS:**

Contraindicated in the presence of an anatomically narrow angle or in narrow angle glaucoma or in persons who have shown hypersensitivity to any component of this preparation.

## **WARNINGS:**

Patients under therapy with MAO inhibitors may experience a severe hypertensive crisis if given a sympathomimetic drug. Use in children, especially infants, may result in CNS depression leading to coma and marked reduction in body temperature.

## **PRECAUTIONS:**

**General:** For topical ophthalmic use only. Use with caution in presence of hypertension, cardiovascular abnormalities, hyperglycemia (diabetes), hyperthyroidism, infection or injury.

**Patient Information:** Patients should be advised to discontinue the drug and consult the physician if relief is not obtained within 48 hours of therapy, if irritation, blurring or redness persists or increases, or if symptoms of systemic absorption occur, i.e., dizziness, headache, nausea, decrease in body temperature, or drowsiness.

To prevent contaminating the dropper tip and solution, do not touch any surface, the eyelids or the surrounding area with the dropper tip of the bottle. If solution changes color or becomes cloudy, do not use.

**Drug Interactions:** Concurrent use of maprotiline or tricyclic antidepressants and naphazoline may also potentiate the pressor effect of naphazoline. Patients under therapy with MAO inhibitors may experience a severe hypertensive crisis if given a sympathomimetic drug. (See WARNINGS).

## **Pregnancy:**

**Pregnancy Category C:** Animal reproduction studies have not been conducted with naphazoline. It is also not known whether naphazoline can cause harm when administered to a pregnant women or can affect reproduction capacity. Naphazoline should be given to a pregnant women only if clearly needed.

**Nursing Mothers:** It is not known whether naphazoline is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when naphazoline is administered to a nursing women.

**Pediatric Use:** Safety and effectiveness in the pediatric population have not been established. See "WARNINGS" and "CONTRAINDICATIONS".

## **ADVERSE REACTIONS:**

**Ocular:** Mydriasis, increased redness, irritation, discomfort, blurring, punctate keratitis, lacrimation, increased intraocular pressure.

**Systemic:** Dizziness, headache, nausea, sweating, nervousness, drowsiness, weakness, hypertension, cardiac irregularities, and hyperglycemia.

## **DOSAGE AND ADMINISTRATION:**

Instill one or two drops in the conjunctival sac(s) every three to four hours as needed.

## **HOW SUPPLIED:**

Naphazoline Hydrochloride Ophthalmic Solution, USP, is supplied as a sterile 0.1% solution in 15 mL plastic dropper bottles.

15mL dropper bottle - 68788-0446-1

**Storage:** Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

Keep container tightly closed.

**Akorn**

Manufactured by: **Akorn, Inc.**

Lake Forest, IL 60045

GNH00N Rev. 12/11

**Relabeled by Preferred Pharmaceuticals, Inc.**

Principal Display Panel Text for Container Label:

Naphazoline Hydrochloride Ophthalmic Solution, USP 0.1%

15 mL

Sterile

Rx only

**AK-Con Ophthalmic Solution, USP 0.1% Sterile**  
 Generic for Naphcon  
 Active ingredient: Naphazoline Hydrochloride 1mg (0.1%)

**Pkg Size:** Exp Date:  
 Lot#: Batch#:  
 Ins:  
 Mfg Akorn Inc.; Lake Forest, IL  
 Prod#:

**Warning**  
 Do not touch dropper tip to any surface as this may contaminate the solution. Keep this and all medication out of the reach of children. Store at 20 to 25 C (68 to 77 F). See USP Controlled Room Temperature. Keep bottle tightly closed. Store in carton until empty to protect from light. If solution shows more than a faint yellow color, it should not be used. Rx Only. Do not use if imprinted seal is broken or missing. For topical ophthalmic use only.

**PREFERRED**  
 Pharmaceuticals, Inc.  
 The Physician's Solution. Anaheim, Ca

CAUTION: Federal law PROHIBITS transfer of this drug to any person other than the patient for whom it was prescribed.

AK-Con Ophthalmic Solution, USP 0.1% Sterile  
 Qty: Ins:  
 Lot#: Bat#:  
 Prod# (NDC):

AK-Con Ophthalmic Solution, USP 0.1% Sterile  
 Qty: Ins:  
 Lot#: Bat#:  
 Prod# (NDC):

AK-Con Ophthalmic Solution, USP 0.1% Sterile  
 Qty:  
 Insurance NDC:  
 Lot#: Bat#:

AK-Con Ophthalmic Solution, USP 0.1% Sterile  
 Qty: Ins:  
 Lot#: Bat#:  
 Prod# (NDC):

#01

Directions English  
**Use as directed by your doctor**  
 Instill \_\_\_\_\_ drops every \_\_\_\_\_ hours.

Instrucciones Espanol:  
**Usó según lo dirigido por su doctor**  
 Póngase \_\_\_\_\_ gota(s) cada \_\_\_\_\_ horas.

Log  
Chart  
Billing  
Patient

<b>AK-CON</b>			
naphazoline hydrochloride solution/ drops			
<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:68788-0446(NDC:17478-216)
<b>Route of Administration</b>	OPHTHALMIC		
<b>Active Ingredient/Active Moiety</b>			
<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>	
Naphazoline Hydrochloride (UNII: MZ1131787D) (Naphazoline - UNII:H231GF11BV)	Naphazoline Hydrochloride	1 mg in 1 mL	
<b>Inactive Ingredients</b>			
<b>Ingredient Name</b>	<b>Strength</b>		
Boric Acid (UNII: R57ZHV85D4)			
Edetate Disodium (UNII: 7FLD91C86K)			
Sodium Carbonate (UNII: 45P3261C7T)			

<b>Sodium Chloride</b> (UNII: 451W47IQ8X)	
<b>Hydrochloric Acid</b> (UNII: QTT17582CB)	
<b>Water</b> (UNII: 059QF0KO0R)	
<b>Benzalkonium Chloride</b> (UNII: F5UM2KM3W7)	

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:68788-0446-1	1 in 1 CARTON	03/24/2005	
1		15 mL in 1 BOTTLE, DROPPER; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA083590	03/24/2005	

**Labeler** - Preferred Pharmaceuticals, Inc. (791119022)

**Registrant** - Preferred Pharmaceuticals, Inc. (791119022)

### Establishment

Name	Address	ID/FEI	Business Operations
Preferred Pharmaceuticals, Inc.		791119022	RELABEL(68788-0446)

Revised: 4/2017

Preferred Pharmaceuticals, Inc.