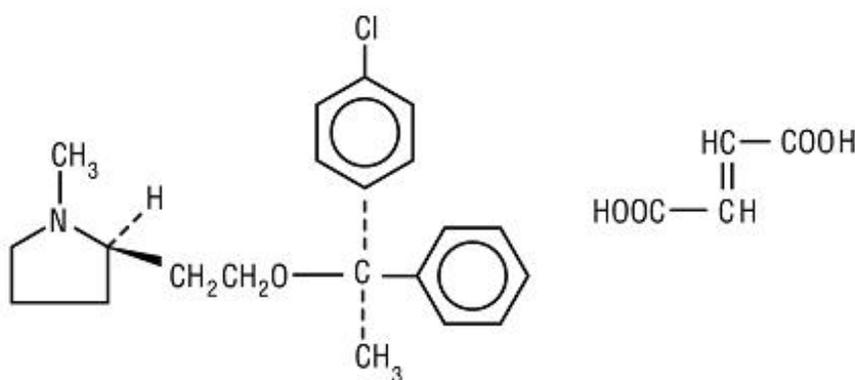


**CLEMASTINE FUMARATE- clemastine fumarate tablet**  
**Teva Pharmaceuticals USA, Inc.**

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**CLEMASTINE FUMARATE TABLETS, USP**  
**Rx only**

**DESCRIPTION**

Clemastine belongs to the benzhydryl ether group of antihistaminic compounds. The chemical name is (+)-(2*R*)-2-[2-[[*R*]-*p*-Chloro- $\alpha$ -methyl- $\alpha$ -phenylbenzyl]-oxy]ethyl]-1-methylpyrrolidine fumarate (1:1).



$C_{21}H_{26}ClNO \cdot C_4H_4O_4$  M.W. 459.97

Each tablet for oral administration contains 2.68 mg of clemastine fumarate, USP.

Inactive ingredients: colloidal silicon dioxide, corn starch, lactose monohydrate, povidone, pregelatinized starch and stearic acid.

**CLINICAL PHARMACOLOGY**

Clemastine fumarate is an antihistamine with anticholinergic (drying) and sedative side effects. Antihistamines appear to compete with histamine for cell receptor sites on effector cells. The inherently long duration of antihistaminic effects of clemastine fumarate has been demonstrated in wheal and flare studies. In normal human subjects who received histamine injections over a 24-hour period, the antihistaminic activity of clemastine reached a peak at 5 to 7 hours, persisted for 10 to 12 hours and, in some cases, for as long as 24 hours. Pharmacokinetic studies in man utilizing <sup>3</sup>H and <sup>14</sup>C labeled compound demonstrates that: clemastine is rapidly and nearly completely absorbed from the gastrointestinal tract, peak plasma concentrations are attained in 2 to 4 hours, and urinary excretion is the major mode of elimination.

**INDICATIONS AND USAGE**

Clemastine Fumarate Tablets USP, 2.68 mg are indicated for the relief of symptoms

associated with allergic rhinitis such as sneezing, rhinorrhea, pruritus, and lacrimation. Clemastine Fumarate Tablets USP, 2.68 mg are also indicated for the relief of mild, uncomplicated allergic skin manifestations of urticaria and angioedema.

It should be noted that clemastine fumarate is indicated for the dermatologic indications at the 2.68 mg dosage level only.

## **CONTRAINDICATIONS**

### **Usage in Nursing Mothers**

Because of the higher risk of antihistamines for infants generally and for newborns and prematures in particular, antihistamine therapy is contraindicated in nursing mothers.

### **Usage in Lower Respiratory Disease**

Antihistamines *should not* be used to treat lower respiratory tract symptoms including asthma.

Antihistamines are also contraindicated in the following conditions:

Hypersensitivity to clemastine fumarate or other antihistamines of similar chemical structure.

Monoamine oxidase inhibitor therapy (see Drug Interactions section).

## **WARNINGS**

Antihistamines should be used with considerable caution in patients with: narrow angle glaucoma, stenosing peptic ulcer, pyloroduodenal obstruction, symptomatic prostatic hypertrophy, and bladder neck obstruction.

### **Usage in Children**

Safety and efficacy of clemastine fumarate have not been established in children under the age of 12 years.

### **Usage in Pregnancy**

Experience with this drug in pregnant women is inadequate to determine whether there exists a potential for harm to the developing fetus.

### **Usage with CNS Depressants**

Clemastine has additive effects with alcohol and other CNS depressants (hypnotics, sedatives, tranquilizers, etc.).

### **Usage in Activities Requiring Mental Alertness**

Patients should be warned about engaging in activities requiring mental alertness such as driving a car or operating appliances, machinery, etc.

### **Usage in the Elderly (approximately 60 years or older)**

Antihistamines are more likely to cause dizziness, sedation, and hypotension in elderly patients.

## PRECAUTIONS

Clemastine fumarate should be used with caution in patients with: history of bronchial asthma, increased intraocular pressure, hyperthyroidism, cardiovascular disease, and hypertension.

### Drug Interactions

MAO inhibitors prolong and intensify the anticholinergic (drying) effects of antihistamines.

## ADVERSE REACTIONS

Transient drowsiness, the most common adverse reaction associated with clemastine fumarate, occurs relatively frequently and may require discontinuation of therapy in some instances.

### Antihistaminic Compounds

It should be noted that the following reactions have occurred with one or more antihistamines and, therefore, should be kept in mind when prescribing drugs belonging to this class, including clemastine. The most frequent adverse reactions are italicized.

1. **General:** *Urticaria, drug rash, anaphylactic shock, photosensitivity, excessive perspiration, chills, dryness of the mouth, nose, and throat.*
2. **Cardiovascular System:** *Hypotension, headache, palpitations, tachycardia, extrasystoles.*
3. **Hematologic System:** *Hemolytic anemia, thrombocytopenia, agranulocytosis.*
4. **Nervous System:** *Sedation, sleepiness, dizziness, disturbed coordination, fatigue, confusion, restlessness, excitation, nervousness, tremor, irritability, insomnia, euphoria, paresthesias, blurred vision, diplopia, vertigo, tinnitus, acute labyrinthitis, hysteria, neuritis, convulsions.*
5. **GI System:** *Epigastric distress, anorexia, nausea, vomiting, diarrhea, constipation.*
6. **GU System:** *Urinary frequency, difficult urination, urinary retention, early menses.*
7. **Respiratory System:** *Thickening of bronchial secretions, tightness of chest and wheezing, nasal stuffiness.*

## OVERDOSAGE

Antihistamine overdosage reactions may vary from central nervous system depression to stimulation. Stimulation is particularly likely in children. Atropine-like signs and symptoms: dry mouth; fixed, dilated pupils; flushing; and gastrointestinal symptoms may also occur.

*If vomiting has not occurred spontaneously* the conscious patient should be induced to vomit. This is best done by having him drink a glass of water or milk after which he should be made to gag. Precautions against aspiration must be taken, especially in infants and children.

*If vomiting is unsuccessful* gastric lavage is indicated within 3 hours after ingestion and even later if large amounts of milk or cream were given beforehand. Isotonic and 1/2 isotonic saline is the lavage solution of choice.

*Saline cathartics*, such as milk of magnesia, by osmosis draw water into the bowel and therefore, are valuable for their action in rapid dilution of bowel content.

*Stimulants* should *not* be used.

Vasopressors may be used to treat hypotension.

## **DOSAGE AND ADMINISTRATION**

DOSAGE SHOULD BE INDIVIDUALIZED ACCORDING TO THE NEEDS AND RESPONSE OF THE PATIENT.

### **Clemastine Fumarate Tablets 2.68 mg**

The maximum recommended dosage is one tablet three times daily. Many patients respond favorably to a single dose which may be repeated as required, but not to exceed three tablets daily.

## **HOW SUPPLIED**

Clemastine Fumarate Tablets USP, 2.68 mg are white, round, scored tablets debossed with "93" and "308". Tablets are packaged in bottles of 100. (NDC 0093-0308-01)

Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].

Dispense in a tight, light-resistant container as defined in the USP, with a child-resistant closure (as required).

Manufactured For:

### **Teva Pharmaceuticals**

Parsippany, NJ 07054

Rev. J 4/2022

## **Package/Label Display Panel**

NDC 0093-0308-01

Clemastine Fumarate Tablets, USP

2.68 mg

Rx only

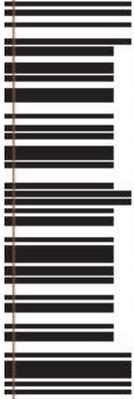
100 Tablets

NDC 0093-0308-01

# Clemastine Fumarate Tablets, USP

**2.68 mg**

Rx only  
100 Tablets



N 0093-0308-01 7

Manufactured For:  
Teva Pharmaceuticals  
 Parsippany, NJ 07054

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

Dispense in a tight,  
light-resistant container as  
defined in the USP, with a  
child-resistant closure  
(as required).

Store at 20° to 25°C (68° to 77°F)  
[See USP Controlled Room  
Temperature].

Each tablet contains 2.68 mg of  
clemastine fumarate, USP.  
**Usual Adult Dosage:** One tablet  
one to three times daily. See  
package insert for full prescribing  
information.

20688618

Rev. H 4/2022

**Serialization Coding Area**

## CLEMASTINE FUMARATE

clemastine fumarate tablet

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0093-0308
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>CLEMASTINE FUMARATE</b> (UNII: 19259EGQ3D) (CLEMASTINE - UNII:95QN29S1ID)	CLEMASTINE FUMARATE	2.68 mg

### Inactive Ingredients

Ingredient Name	Strength
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>STARCH, CORN</b> (UNII: O8232NY3SJ)	
<b>LACTOSE, UNSPECIFIED FORM</b> (UNII: J2B2A4N98G)	
<b>POVIDONE K30</b> (UNII: U725QWY32X)	
<b>STEARIC ACID</b> (UNII: 4ELV7Z65AP)	

### Product Characteristics

<b>Color</b>	white	<b>Score</b>	2 pieces
<b>Shape</b>	ROUND	<b>Size</b>	10mm
<b>Flavor</b>		<b>Imprint Code</b>	93;308
<b>Contains</b>			

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0093-0308-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	04/01/1992	

**Marketing Information**

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA073283	04/01/1992	

**Labeler** - Teva Pharmaceuticals USA, Inc. (001627975)

Revised: 6/2022

Teva Pharmaceuticals USA, Inc.