

## **ORPHENADRINE CITRATE- orphenadrine citrate tablet, extended release DIRECT RX**

### **ORPHENADRINE CITRATE**

Orphenadrine citrate is the citrate salt of orphenadrine. It occurs as a white, crystalline powder having a bitter taste. It is practically odorless; sparingly soluble in water, slightly soluble in alcohol. The chemical name of orphenadrine citrate is ( $\pm$ )-N,N-Dimethyl-2-[(o-methyl- $\alpha$ -phenylbenzyl)oxy]ethylamine citrate (1:1) having molecular formula  $C_{18}H_{23}NO \cdot C_6H_8O_7$  and molecular weight of 461.51. It has the following structural formula:

[Image]

Each tablet for oral administration contains 100 mg orphenadrine citrate. Each Orphenadrine citrate extended-release tablet contains the following inactive ingredients: hydroxypropyl methylcellulose, lactose monohydrate and magnesium stearate.

The mode of therapeutic action has not been clearly identified, but may be related to its analgesic properties. Orphenadrine citrate does not directly relax tense muscles in man. Orphenadrine citrate also possesses anti-cholinergic actions.

Orphenadrine citrate extended-release tablets are indicated as an adjunct to rest, physical therapy, and other measures for the relief of discomfort associated with acute painful musculoskeletal conditions.

Orphenadrine citrate extended-release tablets are contraindicated in patients with glaucoma, pyloric or duodenal obstruction, stenosing peptic ulcers, prostatic hypertrophy or obstruction of the bladder neck, cardio-spasm (mega-esophagus) and myasthenia gravis. Orphenadrine citrate tablets are contraindicated in patients who have demonstrated a previous hypersensitivity to the drug.

Some patients may experience transient episodes of light-headedness, dizziness or syncope. Orphenadrine may impair the ability of the patient to engage in potentially hazardous activities such as operating machinery or driving a motor vehicle; ambulatory patients should therefore be cautioned accordingly.

Confusion, anxiety and tremors have been reported in few patients receiving propoxyphene and orphenadrine concomitantly. As these symptoms may be simply due to an additive effect, reduction of dosage and/or discontinuation of one or both agents is recommended in such cases. Orphenadrine citrate should be used with caution in patients with tachycardia, cardiac decompensation, coronary insufficiency, cardiac arrhythmias.

Safety of continuous long-term therapy with orphenadrine has not been established. Therefore, if orphenadrine is prescribed for prolonged use, periodic monitoring of blood, urine and liver function values is recommended.

#### **Pregnancy**

##### **Pregnancy Category C**

Animal reproduction studies have not been conducted with orphenadrine. It is also not known whether orphenadrine can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Orphenadrine should be given to a pregnant woman only if clearly needed.

#### **Pediatric Use**

Safety and effectiveness in pediatric patients have not been established.

Adverse reactions of orphenadrine are mainly due to the mild anticholinergic action of orphenadrine, and are usually associated with higher dosage. Dryness of the mouth is usually the first adverse effect to appear. When the daily dose is increased, possible adverse effects include: tachycardia, palpitation, urinary hesitancy or retention, blurred vision, dilatation of pupils, increased ocular tension, weakness,

nausea, vomiting, headache, dizziness, constipation, drowsiness, hypersensitivity reactions, pruritus, hallucinations, agitation, tremor, gastric irritation, and rarely urticaria and other dermatoses. Infrequently, an elderly patient may experience some degree of mental confusion.

These adverse reactions can usually be eliminated by reduction in dosage. Very rare cases of aplastic anemia associated with the use of orphenadrine tablets have been reported. No causal relationship has been established.

Orphenadrine has been chronically abused for its euphoric effects. The mood elevating effects may occur at therapeutic doses of orphenadrine.

Orphenadrine is toxic when overdosed and typically induces anticholinergic effects. In a review of orphenadrine toxicity, the minimum lethal dose was found to be 2 to 3 grams for adults; however, the range of toxicity is variable and unpredictable.

Treatment for orphenadrine overdose is evacuation of stomach contents (when necessary), charcoal at repeated doses, intensive monitoring, and appropriate supportive treatment of any emergent anticholinergic effects.

#### Adults

Two tablets per day; one in the morning and one in the evening.

Orphenadrine citrate extended-release tablets 100 mg are round, white to off-white tablets, debossed NL4 on one side and plain on the other side and are supplied as:

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

Dispense in a tight, light-resistant container.

Manufactured by

Novel Laboratories, Inc.

Somerset, NJ 08873

Manufactured For

Lupin Pharmaceuticals, Inc.

Baltimore, MD 21202

PI4800000204

Rev: 06/2017

**D** ORPHENADRINE CITRATE  
ER  
100mg 30 Tabs

Generic For: **NORFLEX**  
Each tablet contains: Orphenadrine Citrate 100mg  
(Extended Release)

Lot# Prod# 507-30 Discard After: 06/19

Packaged and Distributed By: **DIRECT R** Alpharetta, GA 30005

Caution: Federal law prohibits transfer of this drug to any person other than the patient for whom it was prescribed.  
**RX ONLY-KEEP OUT OF REACH OF CHILDREN**  
Dosage: See package insert. Store between 68-77 degrees F

**M**

ORPHENADRINE CITRATE ER 100i  
NDC 61919-507-30 30 Tab  
Lot Exp Date 06/19  
Mfg NDC 43386-480-24

ORPHENADRINE CITRATE ER 100i  
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ORPHENADRINE CITRATE ER 100i  
NDC 61919-507-30 30 Tab  
Lot Exp Date 06/19  
Mfg NDC 43386-480-24

Mfg For: Lupin Pharmaceuticals, Inc.  
Baltimore, MD 21202  
NDC 43386-480-24

Mfg Lot:  
3/19/2018

AN307

NDC 61919-507-30

**ORPHENADRINE CITRATE**

orphenadrine citrate tablet, extended release

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:6 19 19-50 7(NDC:43386-480)
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ORPHENADRINE CITRATE (UNII: X0A40N8I4S) (ORPHENADRINE - UNII:AL80509OG9)	ORPHENADRINE CITRATE	100 mg

### Inactive Ingredients

Ingredient Name	Strength
HYPROMELLOSES (UNII: 3NXW29V3WO)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	

### Product Characteristics

<b>Color</b>	white	<b>Score</b>	no score
<b>Shape</b>	ROUND	<b>Size</b>	10 mm
<b>Flavor</b>		<b>Imprint Code</b>	NL4
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:6 19 19-507-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	03/26/2018	

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA040284	03/26/2018	

**Labeler** - DIRECT RX (079254320)

**Registrant** - DIRECT RX (079254320)

### Establishment

Name	Address	ID/FEI	Business Operations
DIRECT RX		079254320	repack(61919-507)