

# Moxolunic 400 Tablet

## Moxifloxacin 400 mg Tablet

**Brand Name:** Moxifloxacin (generic name)

**Drug Class:** Fluoroquinolone Antibiotic

### Description:

Moxifloxacin 400 mg tablet is an antibiotic medication used to treat a variety of bacterial infections. It is effective in combating infections caused by both gram-positive and gram-negative bacteria, including respiratory, skin, and abdominal infections. Moxifloxacin works by inhibiting bacterial DNA replication, which ultimately leads to the death of the bacteria.

### Indications:

Moxifloxacin is commonly prescribed for the following conditions:

- **Respiratory infections:** such as community-acquired pneumonia, chronic bronchitis, and acute bacterial sinusitis.
- **Skin and soft tissue infections:** caused by susceptible bacteria.
- **Intra-abdominal infections:** such as complicated intra-abdominal infections.
- **Other bacterial infections:** depending on the causative pathogen and susceptibility.

### Dosage and Administration:

- The usual dose of Moxifloxacin is 400 mg once daily, taken orally with or without food.
- It is important to complete the full prescribed course of treatment, even if symptoms improve before finishing the medication, to prevent the development of antibiotic resistance.

### Contraindications:

- **Hypersensitivity:** to Moxifloxacin or other fluoroquinolones.
- **History of tendon disorders** related to quinolone use.

- **Pregnancy and breastfeeding:** should only be used if the potential benefit outweighs the risk, under a doctor's supervision.

### Warnings and Precautions:

- **Tendonitis and tendon rupture:** The use of Moxifloxacin can increase the risk of tendon damage, particularly in elderly patients or those on corticosteroid treatment.
- **QT prolongation:** Moxifloxacin can prolong the QT interval, which may increase the risk of serious heart arrhythmias.
- **CNS effects:** It may cause dizziness, confusion, or seizures in some individuals. Caution is advised in patients with a history of seizures.
- **Glucose and electrolyte imbalances:** Monitor for hypoglycemia or hyperglycemia, especially in diabetic patients.

### Side Effects:

Common side effects of Moxifloxacin may include:

- Nausea or vomiting
- Diarrhea
- Dizziness or lightheadedness
- Headache
- Insomnia

Serious side effects can include:

- Tendon rupture or inflammation
- Severe allergic reactions (e.g., swelling of the face or throat)
- Cardiac arrhythmias
- Liver enzyme changes or liver damage

### Drug Interactions:

- **Antacids:** containing aluminum, magnesium, or iron, may reduce the absorption of Moxifloxacin.
- **Antiarrhythmic medications** (such as amiodarone) and other drugs that prolong the QT interval should be used cautiously in combination with Moxifloxacin.

- **Warfarin: Caution is advised when taken with blood thinners as it may increase the risk of bleeding.**

### **Storage:**

**Store Moxifloxacin tablets in a cool, dry place, away from direct sunlight. Keep out of reach of children.**

### **Overdose:**

**In case of overdose, seek immediate medical attention. Symptoms may include dizziness, confusion, or seizures.**

### **Conclusion:**

**Moxifloxacin 400 mg tablets are effective for treating a range of bacterial infections. As with all antibiotics, it should be used according to a healthcare provider's instructions to minimize the risk of resistance and side effects.**

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