

# Loxin

## Levofloxacin

### COMPOSITION:

**Loxin 500** Tablet: Each film coated tablet contains Levofloxacin Hemihydrate INN equivalent to Levofloxacin 500 mg.

### PHARMACOLOGY:

Levofloxacin is a synthetic, broad-spectrum, third generation fluoroquinolone derivative antibacterial agent. Chemically levofloxacin is a chiral fluorinated carboxyquinolone.

### INDICATION:

Levofloxacin is indicated for the treatment of adults (18 years of age) with mild, moderate, and severe infections caused by susceptible strains of the designated micro-organisms in the condition listed below:

- Acute maxillary sinusitis due to *Streptococcus pneumoniae*, *Haemophilus influenzae*, or *Moraxella catarrhalis*.
- Acute bacterial exacerbation of chronic bronchitis due to *Staphylococcus aureus*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, or *Moraxella catarrhalis*.
- Community-acquired pneumonia due to *Staphylococcus aureus*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Klebsiella pneumoniae*, *Moraxella cararrhalis*, *Chlamydia pneumoniae*, *Legionella pneumophila*, or *Mycoplasma pneumoniae*.
- Complicated urinary tract infections due to *Escherichia coli*, *Klebsiella pneumoniae*, or *Staphylococcus saprophyticus*.
- Acute pyelonephritis caused by *Escherichia coli*.
- Uncomplicated & complicated skin and soft tissue infections including abscesses, cellulitis, furuncles, impetigo, pyoderma, wound infections, due to *Staphylococcus aureus*, *Streptococcus pyogenes*, *Proteus mirabilis* or *Enterococcus faecalis*.

### DOSAGE AND ADMINISTRATION:

- Acute sinusitis, 500 mg once daily for 10-14 days
- Exacerbation of chronic bronchitis, 250-500 mg daily for 7 days
- Community-acquired pneumonia, 500 mg once or twice daily for 7-14 days
- Complicated urinary-tract infections and acute pyelonephritis, 250 mg daily for 7-10 days
- Uncomplicated skin and soft-tissue infections, 500 mg once daily for 7-10 days
- Complicated skin and soft-tissue infections, 750 mg once daily for 7-14 days

### CONTRAINDICATION:

Levofloxacin is contraindicated in patients with a history of hypersensitivity to levofloxacin, quinolone antimicrobial agents, or any other components of this product.

### SIDE EFFECTS:

Levofloxacin is generally well tolerated. However, a few side-effects can usually be seen. Side-effects include: nausea, vomiting, diarrhea, abdominal pain, flatulence and rare occurrence of phototoxicity (0.1%). Side-effects that may be seen very rarely include tremors, depression, anxiety, confusion etc.

**PRECAUTIONS:**

The following measures should be taken during administration of Levofloxacin:

- While administrating Levofloxacin, adequate amount of water should be taken to avoid concentrated form of urine.
- Dose adjustment should be exercised during Levofloxacin administration in presence of renal insufficiency.

**USE IN PREGNANCY AND LACTATION:**

Levofloxacin is not recommended for use during pregnancy or nursing, as the effects on the unborn child or nursing infant are unknown.

**DRUG INTERACTIONS:**

- Antacids, Iron and Adsorbents-reduce absorption of Levofloxacin.
- NSAID- may increase the risk of CNS stimulation.
- Warfarin- may increase the risk of bleeding

**OVERDOSAGE:**

Levofloxacin exhibits a low potential for acute toxicity. However, in the events of an acute overdose, the stomach should be emptied. The patients should be kept under observation and appropriate hydration should be maintained.

**PHARMACEUTICAL PRECAUTION:**

It should be stored at a cool and dry place, protected from light and moisture.

**HOW SUPPLIED:**

**Loxin 500** Tablet: Each box contains 5x4 tablets in AJu-Alu blister pack.

**Manufactured by:**

MEDICON Pharmaceuticals Ltd.  
Mirpur, Dhaka, Bangladesh