

Brand Name: LINEBA-600

Composition: linezolid IP 600

Dosage Form: Tablets

Category: Oxazolidinone Class Antibiotic

Packaging Type: Strip

Packaging: 10 x 1 x 4 Tablets Mono Pack

Brief Product Information:

LINEBA-600 is an advanced antibiotic used for the treatment of serious gram-positive bacterial infections, including resistant strains such as MRSA and VRE. It contains Linezolid, a synthetic antibiotic from the oxazolidinone class. **AstraEureka Pharmaceutical is the manufacturer of this composition**, delivering assured quality and therapeutic effectiveness.

Composition:

Each Film-coated tablet contains

Linezolid I.P..... 600 mg

Excipientsq.s.

Key Ingredients:

- **Linezolid:** A synthetic antibiotic that inhibits bacterial protein synthesis, effective against multi-drug-resistant gram-positive bacteria.

Key Benefits:

1. Highly effective in treating infections caused by resistant gram-positive bacteria.
2. Useful in both community-acquired and hospital-acquired infections.
3. Oral formulation offers convenient administration.
4. Rapid symptom relief and bacterial eradication.
5. Reduces the need for hospitalization in susceptible infections.

Indications:

1. Pneumonia (community-acquired and nosocomial).
2. Complicated and uncomplicated skin and soft tissue infections.
3. Infections caused by methicillin-resistant *Staphylococcus aureus* (MRSA).
4. Infections caused by vancomycin-resistant *Enterococci* (VRE).
5. Diabetic foot infections without osteomyelitis.

Directions for Use:

1. Take orally with or without food.
2. Swallow the tablet whole with water.
3. Do not crush or chew.
4. Use under the supervision of a licensed healthcare provider.

Dosage and Administration:

1. **Adults:**
 - One tablet (600 mg) every 12 hours.
 - Duration of therapy is typically 10 to 14 days depending on the severity and site of infection.
 - Adjustments may be required in case of myelosuppression or other adverse effects.

Safety Information:

1. Perform complete blood counts periodically during prolonged therapy.
2. Monitor for signs of serotonin syndrome if taken with SSRIs or antidepressants.
3. Use cautiously in patients with a history of bone marrow suppression.
4. Avoid alcohol and tyramine-rich foods during treatment.
5. Not recommended during pregnancy or lactation unless clearly needed.

Mechanism of Action:

- Linezolid inhibits bacterial protein synthesis by binding to the 50S ribosomal subunit, preventing the formation of the initiation complex required for bacterial translation.
- This unique action makes it effective against bacteria that are resistant to other antibiotics such as beta-lactams and aminoglycosides.

Contraindications:

1. Hypersensitivity to Linezolid or any ingredient in the formulation
2. Concurrent use with monoamine oxidase inhibitors (MAOIs).
3. Uncontrolled hypertension or serotonin syndrome risk when used with serotonergic agents.

Side Effects:

1. Nausea.
2. Headache.
3. Diarrhoea.

4. Thrombocytopenia (with prolonged use).
5. Peripheral or optic neuropathy (with long-term therapy).
6. Elevated liver enzymes.

Important Notice:

- LINEBA-600 is a prescription medication and should only be used under the direction of a registered medical practitioner.
- Inappropriate use may lead to resistance and treatment failure.

Storage Condition:

1. Store in a cool, dry place below 25°C.
2. Protect from light and moisture.
3. Keep away from children.

Packing Information:

- Strip packaging.
- 4 tablets per strip, 10 strips per box (Mono Pack).

