

Brand Name: ASTONE-AB injection

Composition: α - β Arteether Injection

Dosage Form: INJECTION

Category: Antimalarial

Packaging Type: AMPULES

Packaging: 3 x 2 ML

Brief Product Introduction:

ASTONE-AB is an advanced injectable antimalarial formulation developed by **AstraEureka Pharmaceutical**, a trusted manufacturer of composition-based injectable therapies. Each 2 ml ampoule contains **150 mg of Alpha-Beta Arteether**, a potent semi-synthetic derivative of artemisinin, suspended in a stable oily base. It is highly effective against *Plasmodium falciparum*, including multidrug-resistant strains. ASTONE-AB is indicated for the treatment of **acute, severe, and chloroquine-resistant malaria**, particularly when oral therapy is not feasible. With a rapid schizontocidal action and long-acting pharmacokinetics, it ensures fast parasite clearance and symptom resolution. The formulation is well tolerated and delivers high efficacy with minimal side effects. ASTONE-AB offers reliable clinical outcomes and is widely used in endemic areas for prompt malaria management.

Composition:

Each 2 ml Contains:

- Alpha-Beta Arteether IP.....150 mg
- Oily Base.....Q.S.

Key Ingredients

- **Alpha-Beta Arteether (150 mg):**
 - A lipophilic, fast-acting antimalarial agent
 - Derived from artemisinin
 - Administered intramuscularly for immediate systemic action

Key Benefits:

1. Rapid onset of antimalarial action
2. Effective against *P. falciparum*, including resistant strains
3. Useful in severe and complicated malaria cases
4. Reduces parasite biomass quickly
5. Long-acting due to its oily base, requiring fewer injections
6. Safe, well tolerated, and convenient for adult and pediatric use

Indications:

1. Severe and complicated malaria
2. Chloroquine-resistant *Plasmodium falciparum* infections
3. Malaria cases where oral therapy is not feasible
4. High parasitemia requiring rapid reduction
5. Management of malaria outbreaks in endemic zones

Directions for Use:

1. For **intramuscular injection only**
2. Administer deep into the gluteal muscle
3. Use under medical supervision by trained healthcare personnel
4. Do not administer intravenously or subcutaneously

Dosage and Administration:

1. **Recommended Dose (Adults):**
 - 150 mg (2 ml) once daily for **3 consecutive days**
2. **Pediatric Dose:**
 - Adjusted by body weight (3 mg/kg IM daily for 3 days)
3. Do not exceed recommended dosage
4. Shake ampoule well before use

Safety Information:

1. Administer only under strict medical supervision
2. Not recommended for first trimester of pregnancy
3. Monitor hepatic and renal function during prolonged use
4. Avoid use in patients with known hypersensitivity to artemisinin derivatives
5. Keep emergency support available in case of allergic reaction

Mechanism of Action:

- Alpha-Beta Arteether is a **semi-synthetic ether derivative of artemisinin**. Once administered intramuscularly, it is slowly released from the oily base into the bloodstream.
- Inside the parasite-infected red blood cells, it is activated by iron, generating reactive free radicals that damage parasite membranes and essential proteins.
- This leads to rapid destruction of intraerythrocytic parasites, especially *Plasmodium falciparum*. Its long plasma half-life ensures sustained parasite clearance, reducing chances of recrudescence.

Contraindications:

1. Hypersensitivity to arteether or artemisinin compounds
2. Severe hepatic or renal impairment without monitoring
3. Use in infants below 6 months should be avoided
4. Pregnancy (first trimester), unless life-saving

Side Effects:

1. Mild local pain at injection site
2. Dizziness, nausea, or vomiting
3. Rare: Neurotoxicity (very high doses or long duration)
4. Fever or chills (related to malaria resolution)

Important Notice:

- ASTONE-AB is for **short-term emergency use** in malaria cases only
- Should not be used for malaria prevention or prophylaxis
- Switch to oral therapy after 3-day injectable course if clinically stable
- Store and administer with caution in rural/remote areas with limited support

Storage Condition:

1. Store below 25°C
2. Protect from light and heat
3. Do not freeze
4. Keep ampoules upright and out of children's reach

Packing Information:

- Packed in **3 x 2 ml ampoules** Try with outer box.