

# $\alpha$ - $\beta$ Arteether 225

Alpha-beta Arteether Injection 225 mg/3 ml

## Composition:

Each 3 ml contains:

$\alpha$ - $\beta$  Arteether 225 mg

Ethyl Oleate B.P. q.s.

(Oily Base)

## CONSERVATION:

Keep at a temperature below 25°C. Gardez à l'abri de la lumière. You don't need to keep it in the freezer.

Conservation duration: 24 months.

## THERAPEUTIC GROUP:

Anti malaria.

## PHARMACOLOGICAL ACTIONS:

$\alpha$ - $\beta$  Arteether is a blood schizonticide. It acts rapidly against \*P. falciparum\* malaria during the erythrocytic phase.  $\alpha$ - $\beta$  Arteether concentrates within the parasite. The functional group responsible for the antimalarial activity of  $\alpha$ - $\beta$  Arteether is the endoperoxide bridge. Iron from the hemoglobin digested by the parasite reduces this bridge, releasing iron-centered free radicals that cause lysis of the parasite cell. It has also been shown that  $\alpha$ - $\beta$  Arteether inhibits protein synthesis and alters the ribosomal organization of the endoplasmic reticulum.

## PHARMACOKINETICS:

$\alpha$ - $\beta$  Arteether is metabolized into dihydroartemisinin. Its half-life is 20 hours. It is eliminated via hepatic metabolism. Its elimination is slower compared to other artemisinin compounds.

## INDICATIONS:

Injectable ABT® is indicated for the treatment of severe malaria, including cerebral malaria.

## CONTRAINDICATIONS:

Hypersensitivity to artemisinin derivatives.

## ADVERSE EFFECTS:

$\alpha$ - $\beta$  Arteether is generally well tolerated; however, rare side effects such as nausea, dizziness, and gastrointestinal disturbances may occur. Clinical assessments involving neurological, electrocardiographic, and biochemical monitoring have been conducted.

considerable toxicity. Apart quelques augmentations du nombre des éosinophiles. Abnormal blood loss is not observed

## PRECAUTIONS:

When treating children, special care should be taken to ensure that the correct doses are administered and maintained.

Pregnancy: Experimental studies regarding the safety of artemisinin derivatives during the first trimester of pregnancy are not available.

Breastfeeding mothers: There is no evidence that  $\alpha$ - $\beta$ -arteether is excreted in human milk. As many medicines are excreted in human milk, caution should be exercised regarding its use.

## DOSAGE AND ADMINISTRATION:

ABT® injectable is administered exclusively intramuscularly.

Children: 3mg/kg administered intramuscularly for 3 days.

Adult: 150mg is available in an ampoule for a day, three days in a suite or with advice for the medicine.

The injection must be administered under aseptic conditions, deep into the upper outer quadrant of the buttock (intramuscularly). No other medication should be mixed in the same syringe.

## DEAFNESS:

Treatment for an overdose must be symptomatic and supportive.

## DRUG INTERACTIONS:

A prolonged QT interval is observed when artemisinin is administered at an excessive dose. The cardiac effects of artemisinin are not clinically significant, except when mixed with drugs that prolong cardiac intervals, such as quinine and halofantrine.

**Code No./Code No.:** HR/DRUGS/444-B(H)

Manufactured by :

