

Artemotial®



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Each 2ml contains:

Composition:

β Arteether150 mg
Arachis Oil I.P.q.s.

Indications :

Artemotial is concentrated in parasitized erythrocytes. The functional group responsible for anti-malarial activity of α / β arteether is endoperoxide bridge. Iron from the digested haemoglobin of the parasite's victim reduces this bridge, releasing a highly reactive free radical iron species which causes lysis of the parasitic cell.

Description:

Arteether is a fast acting blood schizonticidal agent for *P. falciparum* malaria at the erythrocytic stage.

Arteether is concentrated in parasitized erythrocytes. The functional group responsible for antimalarial activity of β arteether is endoperoxide bridge. Iron from the digested haemoglobin of the parasite's victim reduces this bridge, releasing a highly reactive free radical iron species which causes lysis of the parasitic cell. Lysis of parasitic cell membrane occurs. Damage includes swelling and deformity of food vacuoles membrane, nuclear membrane, endoplasmic reticulum and formation of autophagic vacuoles.

It is also proposed that β arteether inhibits the protein synthesis and alters the ribosomal organization and endoplasmic reticulum.

CONTRAINDICATIONS

Arteether injection is contraindicated in patients hypersensitive to artemisinin derivatives

Dosage:

Adult: 150mg i.e. 1 ampoule of β arteether once daily for 3 consecutive days.

Children: 3mg/Kg per day administered by intramuscular injection over a 3-day period.

Presentations:

2ml Injection

