

Aspico

Enteric Coated tablets

Composition:

Each E.C. tablet contains Acetylsalicylic acid 81 mg.

Aspico (acetylsalicylic acid) is an analgesic, antipyretic and anti-inflammatory agent is chemically, 2-(Acetyloxy) benzoic acid. Acetylsalicylic acid 81mg is the standard United States cardiovascular protective dose (low dose acetylsalicylic acid).

Mechanism of action:

Aspico has a remarkable feature that the other non-Steroidal anti-inflammatory drugs (NSAIDs) do not have, by virtue of its labile acetyl group, it irreversibly inhibits cyclooxygenase (COX), the main mediating enzyme in the synthesis of prostaglandins. This feature explains *Aspico's* action on platelets and ultimately its cardiovascular protection. Other NSAIDs also inhibit COX, but the effect declines as the drug is metabolized and excreted.

Effect on platelets aggregation:

The smallness of the doses of *Aspico* that affect platelets demonstrates the potency of the drug in inhibiting COX in this specific blood fragment. Within platelets, COX is responsible for the synthesis of a prostaglandin-like substance called thromboxane which is a potent platelet aggregant. Excessive aggregation of platelets within blood vessels is responsible for the clots that cause heart attacks and ischaemic strokes. The inhibition of thromboxane production by *Aspico* is the basis for the drug's protective action in coronary thrombosis and ischaemic stroke.

Metabolism & excretion:

Aspico is rapidly hydrolyzed primarily in the liver to salicylic acid, which is conjugated with glycine (forming salicyluric acid) and glucouronic acid and excreted largely in the urine.

Indications:

Aspico is indicated for the prevention of blood thrombosis in many cardiovascular disorders as:

- * Transient Ischaemic attacks and Ischaemic Stroke.
- * Suspected Acute MI.
- * Prevention of Recurrent MI.
- * Unstable Angina Pectoris.
- * Chronic Stable Angina Pectoris.
- * PTCA and other interventional cardiovascular Procedures.

- * Varicose veins of the lower limbs.
- * Deep vein thrombosis

Side effects:

Low dose acetylsalicylic acid has minimal side effects especially on the GIT in the form of nausea, vomiting, heart burn and increased risk of bleeding.

Dose:

One tablet per day for prevention of cardiovascular thrombosis.

Package:

A box containing 3 strips each containing 10 E.C. tablets.

Produced by:

UNI PHARMA EL OBOUR CITY, CAIRO - EGYPT