

PRODUCT INFORMATION

BETAMIN[®]

NAME OF THE MEDICINE

Non-proprietary Name

Thiamine hydrochloride (Vitamin B1).

DESCRIPTION

Each Betamin tablet contains 100 mg thiamine hydrochloride. Inactive ingredients include starch – wheat, lactose and magnesium stearate.

PHARMACOLOGY

Thiamine is associated with carbohydrate metabolism. By combining with the pyrophosphoric acid in nucleated cells, particularly in the liver, kidneys and white blood cells, it is converted to its pyrophosphate which acts as a coenzyme in such reactions as the decarboxylation of α -keto acids, particularly of pyruvate and α -keto-glutarate.

Thiamine pyrophosphate also acts as a coenzyme in the direct oxidating pathway of glucose metabolism. Thiamine is utilised by the liver to detoxify oestrogen and in vitamin deficiency states has a dramatic effect in lowering serum oestrogen levels.

Pharmacokinetics

Thiamine is absorbed from the gastrointestinal tract and is distributed to most body tissues. It is not stored to any appreciable extent in the body and amounts in excess of the body's requirements are excreted in the urine as unchanged thiamine or as the metabolite, pyrimidine.

INDICATIONS

Thiamine deficiency in patients on restricted diets, with gastrointestinal diseases, extensive burns, diabetes, impaired kidney or liver function, hyperthyroidism, alcoholism, benign mammary dysplasia. Patients on total parental nutrition should be given a generous allowance of thiamine.

Chronic thiamine deficiency (beri-beri, alcoholism) manifests in such states as peripheral neuropathy, Wernicke's encephalopathy, Korsakoff's psychosis, cardiac failure, etc.

Acute thiamine deficiency causes weakness, fatigue, nausea, hypotension, loss of appetite, loss of sensation, loss of reflexes and paralysis in the legs.

DOSAGE AND ADMINISTRATION

50 mg to 100 mg daily as a single or divided dose.

OVERDOSAGE

Contact the Poisons Information Centre for advice on management of overdosage.

PRESENTATION AND STORAGE CONDITIONS

100 mg tablets (white, scored) 100's.

Store below 30°C. Protect from light.

NAME AND ADDRESS OF THE SPONSOR

sanofi-aventis australia Pty Ltd
12-24 Talavera Road
Macquarie Park, NSW 2113

POISON SCHEDULE OF THE MEDICINE

Unscheduled.

DATE OF APPROVAL

Betamin Product Information was Grandfathered and has not been evaluated by the Therapeutic Goods Administration]

Date of most recent amendment: 2 April 2008