

100.0mm

25-08-2026

127.0mm

N-cobal® 0.5mg film-coated tablet**Composition:** Each film coated tablet contains mecobalamin 0.5mg**Description:** A round white film coated tablet.**Actions:**

Mecobalamin is a B12 containing co-enzyme with an active methyl base. It participates in transmethylation reactions and is the most active of all B12 homologs in the body with respect to nucleic acid, protein and lipid metabolism.

Mecobalamin acts to repair damaged nerve tissue in nerve disorders eg. axonal degeneration and demyelination; and it is involved in erythroblast maturation, promotion of erythroblast division and heme synthesis, thus acting to improve the status of the blood in megaloblastic anemia.

Pharmacology:

Mecobalamin promotes the metabolism of nucleic acids proteins and lipids.

In animal studies, mecobalamin acted as coenzyme in methionine synthesis. In particular, it was found to be involved in the synthesis of thymidine from deoxyuridine and to accelerate the synthesis of DNA and RNA, and also found to accelerate the synthesis of lecithin, a major component of the myelin sheath.

Mecobalamin is efficiently transferred to nervous tissue and improves metabolic disorder:

Mecobalamin is a CH3-vitamin B12 which is found in high concentration in blood and cerebrospinal fluid. It also accelerated the synthesis of the major structural component of the axon in sciatic nerve cell of rats with experimental diabetes and returned the protein transport rate close to normal, resulting in maintenance of axonal function.

Mecobalamin repairs nerve tissues in experimental nerve injury models.

Mecobalamin inhibits abnormal excitation transmission by nerve tissues.

Mecobalamin improves anemia by accelerating the maturation and division of erythroblast.

Pharmacokinetics:

After oral administration of single doses of 1500 mcg of mecobalamin to healthy adult subjects, dose dependence peak plasma concentrations were reached in 3 hours. The half life is approx. 12.5 hrs. The excretion mainly as B12 through urine, 40 to 80% was excreted within first 8 hours.

Indications: Periphereal neuropathies. Megaloblastic anemia due to vitamin B12 deficiency.

Dosage:

Usually for adults, orally administer 1 tab 3 times a day (1500mcg of mecobalamin). The dosage should be adjusted according to the age of patient and severity of symptoms.

Side effects:

Gastrointestinal Symptoms, eg anorexia, nausea or diarrhea may occur infrequently. Dermatological: Skin rash may occur rarely. Others: Prolonged use of larger doses of mecobalamin is not recommended to patient who occupation requires handling of mercury or its compounds.

Contraindications: Patients with a history of hypersensitive to mecobalamin

Drug Interactions:

Metformin, histamin H-2 receptor antagonists (cimetidine, ranitidine), aminoglycosides, colchicines, aminosalicilic acid, anticonvulsants, neomycin and alcohol may decrease the absorption of vitamin B12. Parenteral chloramphenicol may attenuate the effect of vitamin B12 in anaemia. Serum concentrations may be decreased by concurrent use of oral contraceptives.

In vitro, a chemical reaction occurs such that mecobalamin forms methyl mercury with mercuric chloride. This reaction, however does not take place in the presence of proteins as in the human blood.

Precautions/warnings:

General: Mecobalamin should not be administered for extensive periods (months) to patients who show no clinical response. Prolonged use of larger doses of mecobalamin is not recommended for patients whose occupation requires handling mercury or its compound.

Pregnancy and Lactation:

It is not contraindicated. Please consult doctors.

Symptoms and treatment for overdose: Not known.

Packing: Amber glass bottles of 90 tablets. PVC/Aluminium blister packs of 9 x 10's & 50 x 10's

Store below 30°C in an airtight container. Protect from light and moisture.

Shelf life: Three years from the date of manufacture.

KEEP OUT OF REACH OF CHILDREN.

Manufacturer & Product registration holder:

AV Manufacturing Sdn.Bhd (687780V)

Lot 10621 (PT 16700), Jalan Permatas 2, Arab Malaysians Industrial Park,
71800 Nilai, Negeri Sembilan, Malaysia

Date revision: OCT 2026

Ver.06