

Methicol[®] Tablet

Mecobalamin INN 500 mcg

Composition:

Each **Methicol[®]** tablet contains 500 mcg of mecobalamin.

Pharmacology:

Methicol[®] tablet is a mecobalamin preparation, which is a vitamin B₁₂ - coenzyme that occurs in the blood and the cerebrospinal fluid. Mecobalamin is the biologically active form of Vitamin B₁₂. Cyanocobalamin (Vit B₁₂) gets converted into mecobalamin in the liver.

Mecobalamin is the neurologically active form of Vit B₁₂. It is a cofactor in the enzyme methionine synthase which functions to transfer methyl groups for the regenerations of methionine from homocysteine and thus accelerates the metabolic pathway of nucleic acids, proteins, and lipids which results a repairing effect on injured nerve tissues.

Moreover, Mecobalamin promotes formation of fatty coverings around the nerve cells [myelin sheaths], the function of which is to protect the nerve cells from getting damaged. The healthy nerve cells help in faster and better nerve conduction.

Clinically mecobalamin is the first pharmaceutical product that has been shown by double blind clinical studies, to be effective and useful for the treatment of numbness, pain, and paralysis due to peripheral neuropathies, such as diabetic neuropathy and polyneuritis. It is the only neuro active form of B₁₂ which is 130-150 times more potent than other B₁₂ homologues.

Indication:

Peripheral neuropathies (e.g. Diabetic neuropathy, Diabetic retinopathy, Entrapment neuropathy, Amyotrophic lateral sclerosis, Parkinson's disease, Alzheimer's disease , Lumbar, Drug induced neuropathy, Multiple sclerosis, Intercostal neuralgia, Vertebral syndrome).

Dosage and administration:

The usual daily dose of **Methicol[®]** tablet for adults is 3 tablets, equivalent to a total of 1500 mcg of mecobalamin, administered orally in three divided doses. The dose should be adjusted according to the age of patient and severity of symptoms.

Contraindication:

Hypersensitivity to mecobalamin or to any of the excipients used in the preparation.

Precaution:

General: Mecobalamin should not be administered for extensive period (months) to patients who show no clinical response.

Other: Prolonged use of larger doses of mecobalamin is not recommended for patients whose occupation requires handling mercury or its compounds.

Side effect:

Adverse reaction: Gastrointestinal symptoms such as anorexia, nausea or diarrhea may infrequently occur.

Dermatological: Skin rash may rarely occur

Drug Interaction:

Well tolerated, no significant drug interaction reported.

Use in pregnancy and lactation:

Not recommended during pregnancy & lactation.

Use in children:

Not recommended for children.

Storage:

Methicol[®] Tablets should be stored at a cool and dry place, protected from light and moisture.

How supplied:

Each box contains 6x10's tablets in blister form.