



# Mecolagin<sup>®</sup>

Mecobalamin

## Presentation

Mecolagin<sup>®</sup> Chewable tablet: Each tablet contains Mecobalamin INN 0.5 mg.  
Mecolagin<sup>®</sup> injection: Each 1 ml ampoule contains sterile Mecobalamin INN 500 mcg.

## Description

Mecobalamin is the one and only homologue of vitamin B<sub>12</sub>, found in the brain that participates in transmethylation as a B<sub>12</sub> containing co-enzyme. It plays a fundamental role in protein synthesis and stimulates methionine synthesis from homocysteine and helps to restore normal levels of DNA and RNAs in nerve cells. It also enhances the formation of lecithin (another major component of the myelin sheath).

## Indications and Uses

- Peripheral neuropathies
- Diabetic neuropathy
- Vertebral syndrome
- Nerve compression syndrome
- Multiple sclerosis
- Lumbago
- Intercostal neuralgia
- Amyotrophic lateral sclerosis
- Parkinson's disease
- Alzheimer's disease
- Diabetic retinopathy
- Entrapment neuropathy
- Drug induced neuropathy
- Megaloblastic anemia due to vitamin B<sub>12</sub> deficiency (injection only)

## Dosage and Administration

### Tablet:

The usual adult dosage is one 0.5 mg tablet three times daily. The dosage should be adjusted according to the age of patient and the severity of symptoms.  
Place the tablet in mouth and allow to dissolve, then swallow.

### Injection:

Peripheral neuropathies: The usual adult dosage is one ampoule equivalent to 500 mcg of Mecobalamin, administered intramuscularly or intravenously three times a week. The dosage should be adjusted according to the age of patient and the severity of symptoms.  
Megaloblastic anemia: The usual adult dosage is one ampoule equivalent to 500 mcg of Mecobalamin, administered intramuscularly or intravenously three times a week. After about two months of administration, dosage should be changed to one ampoule equivalent to 500 mcg of Mecobalamin every one to three months as maintenance therapy.

## Side-effects

Generally Mecobalamin is well tolerated. However, a few side-effects like GI discomfort (including anorexia, nausea or diarrhea) & rash may be seen after administration of Mecobalamin.

## Use in pregnancy & lactation

Not recommended during pregnancy & lactation.

## Use in children

Not recommended for children.

## Storage

This medicine is unstable in light. It should be protected from light.

## Commercial Pack

Mecolagin<sup>®</sup> Chewable tablet: Each box contains 6 blister strips of 10 tablets.  
Mecolagin<sup>®</sup> Injection: Each box contains 5 ampoules of 1 ml.



Manufactured by

**Incepta Pharmaceuticals Ltd**

Dhaka, Bangladesh

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