

Humphry

Calcium Orotate

COMPOSITION

Humphry Tablet : Each film coated tablet contains Calcium Orotate INN 400 mg.

Humphry 740 Tablet : Each film coated tablet contains Calcium Orotate INN 740 mg.

PHARMACOLOGICAL INFORMATION

Description

Humphry contains Calcium Orotate which is a Calcium supplement with a functional amino acid chelating ligand - orotic acid. Orotic acid assists the transport of Calcium through cellular membrane structures, thus facilitating the intracellular uptake of Calcium, particularly in bone. Calcium Orotate also helps in the maintenance of healthy cartilage. Humphry is involved in the synthesis of DNA (deoxyribonucleic acid) and RNA (ribonucleic acid). Calcium Orotate has the ability to penetrate complex cell membranes and it can be metabolized in cartilage.

CLINICAL INFORMATION

Indication and Uses

Humphry is used to prevent or treat low blood Calcium levels in people who do not get enough Calcium from their diets. It may be used to treat conditions caused by low Calcium levels such as

- Bone loss (osteoporosis)
- Weak bones (osteomalacia/rickets)
- Decreased activity of the parathyroid gland (hypoparathyroidism)
- Latent tetany (certain muscle disease)

To ensure adequate Calcium, it may also be used in certain conditions such as

- Pregnancy and lactation
- Post-menopausal osteoporosis
- Senile osteoporosis
- Drug (Phenytoin, Phenobarbital, or Prednisone) induced osteoporosis

This substance is a very satisfactory agent in the recalcification of metastatic defects in the skeletal system.

Humphry (Calcium Orotate) acts against a number of inflammatory diseases like arthritis, psoriasis, lupus, spondylitis, various cardiovascular ailments, encephalitis, retinitis, phlebitis, colitis and multiple sclerosis. Calcium Orotate helps in controlling weight by suppressing the habit of frequent appetite of chronic overeaters. It is also beneficial in reducing the effects of mood swings and is proved to be quite effective in cognitive enhancement. Calcium Orotate protects the heart by enhancing the efficiency of cardiac muscles. It also stops the release of hormones that are responsible for premenstrual mood disorders including depression, anxiety and irritability. Recent studies on Calcium Orotate indicate its potential to minimize the risk of colon cancer.

Dosage and Administration

2-3 tablets are usually recommended with evening meal or as directed by health care professional.

Contraindication

Calcium Orotate is contraindicated in conditions like incomplete or infrequent bowel movements, kidney stone, kidney disease, sarcoidosis, increased activity of the parathyroid gland, high amount of Calcium in urine, high amount of Calcium in the blood, extreme loss of body water.

Use in Pregnancy and Lactation

Women who are pregnant and breast-feeding need more Calcium. Pregnancy related high blood pressure is a common and serious risk for women and their babies and taking supplemental forms of Calcium Orotate can help reduce this risk.

Precaution

Before taking Calcium, precaution is needed if the patient has any allergies. Precaution is needed before using this product in kidney disease, kidney stones, little or no stomach acid (achlorhydria), disease of the pancreas, a certain lung disease (sarcoidosis), difficulty absorbing nutrition from food (malabsorption syndrome).

Drug Interactions

Calcium can decrease the absorption of other drugs such as Bisphosphonates (e.g. Alendronate), Tetracycline antibiotics (e.g. Doxycycline, Minocycline), Estramustine, Levothyroxine and Quinolone antibiotics (e.g., Ciprofloxacin, Levofloxacin).

Adverse Reactions

Loss of appetite, upset stomach, constipation, nausea, vomiting, unusual weight loss, mood changes, headache, formation of kidney stones may occur frequently.

PHARMACEUTICAL INFORMATION

Storage Condition

Store in a cool and dry place, away from light. Keep out of the reach of children.

Presentation & Packaging

Humphry Tablet : Each commercial box contains 5 x 10's tablet in Alu-PVC blister pack. Each blister supplied in aluminium pouch.

Humphry 740 Tablet : Each commercial box contains 3 x 10's tablet in Alu-PVC blister pack. Each blister supplied in aluminium pouch.

Manufactured By

BEACON[®]

Pharmaceuticals PLC

Bhaluka, Mymensingh, Bangladesh