



Ortical®

Calcium Orotate INN

Description: Calcium Orotate helps in the maintenance of healthy cartilage. Furthermore, Orotate is involved in the synthesis of DNA (deoxyribonucleic acid) and RNA (ribonucleic acid). Of the various calcium supplements on the market, Calcium Orotate gets high marks because of the compound's ability to penetrate complex cell membranes so that it can be metabolized in cartilage.

Mode of action: Calcium Orotate, 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

Pharmacokinetics: The best absorbed form of the commercially available calcium supplements are calcium orotate (90 to 95 percent absorbed)

Composition: Ortical® 400 mg Tablet: Each tablet contains Calcium Orotate Dihydrate INN 441.12 mg equivalent to Calcium Orotate 400 mg.

Ortical® 740 mg Tablet: Each tablet contains Calcium Orotate Dihydrate INN 816.072 mg equivalent to Calcium Orotate 740 mg.

Indications: This medication is used to prevent or treat low blood calcium level in people who do not get enough calcium from their diets. To fulfill the calcium deficiency or meet extra need of calcium, it may be used in conditions like osteomalacia, rickets, latent tetany, postmenopausal osteoporosis, senile osteoporosis, juvenile osteoporosis, drug (phenytoin, Phenobarbital or prednisone) induced osteoporosis, pregnancy and lactation, premenstrual syndrome (PMS), hypoparathyroidism and hip joint plastic surgery.

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.

Dosage & administration: Ortical® 400 mg Tablet: As an addition to the daily diet, 2-3 tablets are usually recommended with meal, after meal or as directed by physician.

Ortical® 740 mg Tablet: As an addition to the daily diet, 1-2 tablets are usually recommended with meal, after meal or as directed by physician.

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

Use in pregnancy & 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 in reducing this risk.

Side effects: Bloating and swelling in the abdomen are common side effects of calcium orotate. Loss of appetite, upset stomach, nausea, bone/muscle pain, headache, increased thirst/urination, weakness.

Precautions: Precaution is needed before using this product in kidney disease, kidney stones, little or no stomach acid, heart disease, disease of the pancreas, sarcoidosis.

Drug interactions: Calcium can decrease absorption of the following drugs when taken together: biphosphonates (e.g., alendronate), quinolone antibiotics (e.g., ciprofloxacin, levofloxacin), and phenytoin. Thiazide-type diuretics can interact with calcium supplements, increasing the risk of hypercalcemia and hypercalciuria.

Over dosage: Symptoms of overdose may include: nausea/vomiting, loss of appetite, mental/mood changes, headache, weakness, tiredness.

Storage: Store in a cool and dry place, protected from light.

Packaging: Ortical® 400 mg Tablet: Each carton contains 10X3 tablets in blister pack.

Ortical® 740 mg Tablet: Each carton contains 10X3 tablets in blister pack.