

Rotate

Calcium Orotate INN

Presentation

Rotate tablet: Each film coated tablet contains Calcium Orotate Dihydrate INN equivalent to Calcium Orotate 400 mg.

Rotate 740 tablet: Each film coated tablet contains Calcium Orotate Dihydrate INN equivalent to Calcium Orotate 740 mg.

Description

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

Indications

1. To prevent or treat low blood calcium levels in people who do not get enough calcium from diet.

2. To fulfill the calcium deficiency or meet extra need of calcium in conditions like-

- Osteomalacia
- Rickets
- Latent tetany
- Postmenopausal osteoporosis
- Senile osteoporosis
- Juvenile osteoporosis
- Drug induced osteoporosis (Phenytoin, Phenobarbital, Prednisolone)
- Pregnancy and lactation
- Premenstrual syndrome (PMS)
- Hypoparathyroidism
- Hip joint plastic surgery

3. Act against a number of inflammatory diseases like-

- Arthritis
- Multiple sclerosis
- Spondylitis

4. Helps in controlling weight by suppressing the habit of frequent appetite of chronic overeaters.

5. It is also beneficial in reducing the effects of mood swings.

6. Proved to be quite effective in cognitive enhancement.

7. Protects the heart by enhancing the efficiency of cardiac muscles.

Dosage and Administration

Rotate tablet : As an addition to the daily diet, 2-3 tablets are usually recommended with meal or as directed by health care professional.

Rotate 740 tablet : As an addition to the daily diet, 1-2 tablets are usually recommended with meal or as directed by health care professional.

Contraindications

Calcium Orotate is contraindicated in conditions like kidney stone, kidney disease, increased activity of the parathyroid gland, high amount of calcium in urine, high amount of calcium in the blood, extreme loss of body water.

Precautions

Precaution is needed if the patient is allergic to Calcium Orotate. 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) precaution is needed.

Drug Interactions

Calcium can decrease absorption of the following drugs when taken together- bisphosphonates (e.g. alendronates), quinolone antibiotics (e.g. ciprofloxacin, levofloxacin) and tetracycline antibiotics (e.g. doxycycline, minocycline), levothyroxine, phenytoin (anticonvulsant interact) and tiludronate disodium (to treat Paget's disease). Thiazide-type diuretics can interact with calcium supplements, increasing the risks of hypercalcemia and hypercalciuria.

Side Effects

Bloating and swelling in the abdomen are common side effects of Calcium Orotate. Constipation, nausea, vomiting, headache, increased thirst and urination, may occur infrequently.

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.

Storage

Do not store above 30°C and keep in a dry place. Protect from light. Keep out of reach of children.

Commercial Pack

Rotate tablet: Each box contains 3x10's tablets in blister packs.

Rotate 740 tablet: Each box contains 3x10's tablets in blister packs.

Manufactured by:



Ziska Pharmaceuticals Ltd.

Kaliakoir, Gazipur, Bangladesh