

# Calborate™

## Calcium Orotate

### COMPOSITION

**Calborate™ 400** : Each tablet contains 400 mg Calcium Orotate as Calcium Orotate Dihydrate INN.

**Calborate™ 740** : Each tablet contains 740 mg Calcium Orotate as Calcium Orotate Dihydrate INN.

### PHARMACOLOGY

Adequate Calcium in the blood is so vital to a wide variety of bodily functions that human body will not tolerate a deficiency even for short periods. Clinical evidence suggests that Calcium is useful for the prevention and treatment of Osteoporosis and associated fractures.

### PHARMACOKINETICS

**Calborte™** contains 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 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 high affinity to penetrate complex cell membrane.

### INDICATION

1. to prevent or to treat low blood Calcium levels
2. to treat conditions caused by low Calcium levels i.e. bone loss
  - Osteoporosis
  - Postmenopausal Osteoporosis
  - Juvenile Osteoporosis
  - Senile Osteoporosis
  - Osteomalacia
  - Rickets
3. Hypoparathyroidism
4. Latent tetany
5. Hip joint plastic surgery
6. Many inflammatory diseases like: Arthritis, Spondylitis etc.
7. Pregnant women & nursing mothers
8. Premenstrual syndrome (PMS)
9. Helps in controlling weight by suppressing the habit of frequent appetite
10. Mood swings
11. Cognitive enhancement
12. Protects the heart by enhancing the efficiency of cardiac muscles

### DOSAGE AND ADMINISTRATION

**Calborate™ 400** : As an addition to the daily diet, 2-3 tablets are usually recommended with meal, after meal or as directed by physician.

**Calborate™ 740** : As an addition to the daily diet, 1-2 tablets are usually recommended with meal, after meal or as directed by physician.

### CONTRAINDICATION

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

### SIDE EFFECT

Bloating and swelling in the abdomen are common side effects of Calcium Orotate. Loss of appetite, constipation, nausea, vomiting, unusual weight loss, headache and increased thirst/urination. Formation of kidney stones may occur infrequently.

### PRECAUTION

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 precaution is needed.

### DRUG INTERACTION

Calcium can decrease absorption of the following drugs when taken together with bisphosphonates, quinolone antibiotics, tetracycline antibiotics, levothyroxine, phenytoin and tiludronate disodium. Thiazide-type diuretics can interact with Calcium supplements, increasing the risks of hypercalcemia and hypercalciuria.

### USE IN PREGNANCY AND LACTATION

During pregnancy and lactation treatment with Calborate should always be under the direction of a physician. 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. Taking supplement of Calcium Orotate can help to reduce this risk.

### OVERDOSE

Symptoms of over dose may include nausea/vomiting, weightloss, loss of appetite, constipation, headache, weakness etc if any of the side effects become serious please talk with physician.

### STORAGE

Store below 30° C. Protect from light and moisture. Keep out of the reach of children.

### HOW SUPPLIED

**Calborate™ 400** : Each box contains 30 tablets in blister pack.

**Calborate™ 740** : Each box contains 30 tablets in blister pack.

Manufactured by



**SQUARE**  
**FORMULATIONS LTD.**  
Tangail, Bangladesh

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