

# ORCICAL

## CALCIUM OROTATE INN

### **Compositions:**

Orcical-400 Tablet: Each film coated tablet contains Calcium Orotate Dihydrate INN equivalent to Calcium Orotate 400 mg. Orcical-740 Tablet: Each film coated tablet contains Calcium Orotate Dihydrate INN equivalent to Calcium Orotate 740 mg.

### **Pharmacology:**

Orcical 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 ability to penetrate complex cell membranes and it can be metabolized in cartilage.

### **Dosage And Administration:**

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

### **Contraindications:**

Orcical 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.

### **Warning And 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 (malabsorption syndrome) precaution is needed.

### **Side Effects:**

Bloating and swelling in the abdomen are common side effects of calcium orotate. Constipation, nausea, vomiting, headache, increased thirst/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.

### **Drug Interaction:**

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

### **Overdosage:**

No data available

### **Storage:**

Store in a cool & dry place.

**Packing:**

Orcical 400 Tablet: Each box contains 3 x 10 tablets in blister pack. Orcical 740 Tablet: Each box contains 3 x 10 tablets in blister pack.

Manufactured By:

The IBN SINA Pharmaceutical Industry PLC.

Shafipur, Gazipur, Bangladesh.