

Cosarin®

Diacerein BP + Glucosamine Sulphate

Description: Cosarin® is the combination of Diacerein and Glucosamine Sulfate. Diacerein is an anti-inflammatory agent & Glucosamine is an amino-monosaccharide. The combination used to treat osteoarthritis.

Mode of action: Diacerein has analgesic and anti-inflammatory activity. It inhibits interleukin-1 synthesis and reduces finger joint and knee osteoarthritis. Glucosamine stimulates formation of collagen which is the protein portion of bone joints. Collagen is the main component of the shock absorbing cushion i.e articular cartilage.

Pharmacokinetics: Oral bioavailability of Diacerein and Glucosamine is 56% and 26%. Food increases absorption & delays T_{max}. Therefore, Diacerein is best given with food. Diacerein mainly binds with plasma albumin. Glucosamine is not protein-bound but slightly binds with globulins. Synovial fluid concentration of Diacerein is 0.3 to 3.0 mg/L. Diacerein and Glucosamine predominantly metabolized by liver and excreted through urine.

Composition: **Cosarin® Tablet:** Each film coated tablet contains Diacerein BP 50 mg and Glucosamine Sulfate Potassium Chloride USP 995.025 mg equivalent to Glucosamine Sulfate 750 mg.

Indications: Cosarin® is indicated for the treatment of osteoarthritis, rheumatoid arthritis, chronic low back pain.

Dosage & administration: Adult: One tablet twice a day for 4 to 12 weeks.

Contraindications: Patients with hypersensitivity to Diacerein or Glucosamine should avoid this medication.

Side effects: No serious adverse effect has been reported. Diarrhea, epigastric pain, nausea, vomiting, intense yellow coloring of urine may be occurred.

Use in pregnancy & lactation: Cosarin® is contraindicated during pregnancy and breastfeeding.

Precautions: Patients with renal impairment should monitor complete blood count, Liver function tests and urinalysis every 6 months.

Drug interactions: Concomitant use with antacids decrease the absorption of Cosarin® and increases risk of diarrhea if taken with laxatives and antibiotics.

Over dosage: Diarrhea may be occurred.

Storage: Keep out of reach of children. Store in a dry place, below 25°C temperature and protected from light.

Packaging: **Cosarin® Tablet:** Each carton contains 6X5 tablets in blister pack.