D-enzyme DS
(Serratiopeptidase)

D-enzyme Forte
(Serratiopeptidase)

Tablets
10 mg
20 mg

ڈی۔انزائم ڈی ایس
ڈی۔انزائم فورٹ

DESCRIPTION
Serratiopeptidase is a proteolytic enzyme. **D-enzyme** (serratiopeptidase) has high enzyme activities including potent anti-inflammatory, anti-tumefacient, bradykinin decomposing, mucolytic and fibrinolytic actions.

SUPPLEMENT FACTS
D-enzyme (Serratiopeptidase) is available for oral administration as:

1. D-enzyme DS Tablets 10mg
Each enteric coated tablet contains:
Serratiopeptidase...10mg
(20,000 Serratiopeptidase units)

2. D-enzyme Forte Tablets 20mg
Each enteric coated tablet contains:
Serratiopeptidase...20mg
(40,000 Serratiopeptidase units)

CLINICAL PHARMACOLOGY
Intense Fibrinolytic action
D-enzyme (Serratiopeptidase) strongly lyses fibrin and fibrinogen but does not appreciably affect proteins in the living body such as albumin and alpha or gamma globulin.

Potent Bradykinin Decomposing Activity
D-enzyme (Serratiopeptidase) alleviates pain by inhibiting the release of specific pain-inducing amines known as bradykinin.

Elimination of Inflammatory edema
D-enzyme (Serratiopeptidase) inhibits inflammatory edema by improving the aggravated circulation in the inflammatory focus through breakdown of abnormal exudates and proteins thereby promoting the absorption of the decomposed products in the blood and lymph vessels.

Acceleration of Liquefaction and Elimination of Sputum, Pus and Hematoma
D-enzyme (Serratiopeptidase) accelerates the elimination of sputum, pus and hematoma by breaking down and liquefying mucous secretions and fibrin clots.

Enhancing Effect on the transfer of Antibiotics To The Focal Site
D-enzyme (Serratiopeptidase) increases the concentration of antibiotics at the site of infection.

Pharmacokinetics
After oral administration, the peak concentration in the blood and lymph was attained less than one hour after administration. The total amount of substance absorbed in the blood and lymph was achieved 6 hours after administration and increase is dose-dependent.

INDICATIONS
D-enzyme (serratiopeptidase) is indicated for the treatment of the following inflammatory conditions:

Surgery: Post-operative edema and hematoma, remission of swelling after surgical stiching, resolution of tissue drainage, ease in post anesthetic sputum expectoration.

Otorhinolaryngology: Acute & Chronic Sinusitis, Otitis Media, Acute Tonsillitis, Laryngitis, Pharyngitis, rhinopharyngitis, inflammation of Eustachian tube, Post nasal drip and Nasal obstruction.

Obstetrics and Gynecology: Mastopathy, Galactostasis, Adnexitis, Salpingitis, Lateral episiotomy & Parineal Laceration.

Orthopedics: Rheumatoid and Osteoarthritis, Orthopedic Surgery, Bone fracture, Tendonitis, Ecchymosis and Sprains.

Dentistry & Oral Surgery: Inflammation of Gums, Peridontosis, alveolar Abscess, Alveolar Fracture and tooth Fracture after Exodontia and Surgery of Buccal Area.

Pneumology: Bronchitis, Bronchiectasis, Difficulty of expectoration in Bronchitis, Pulmonary tuberculosis and bronchial Asthma, Inadequate expectoration of sputum after anesthesia.

D-enzyme (Serratiopeptidase) increases the penetration of antibiotic when given concomitantly.

DOSAGE & ADMINISTRATION

D-enzyme (Serratiopeptidase) 10 mg usually given for adults in a dose of 1 tablet orally, three times daily before or after each meal. Dose may be increased depending on the severity of the disease or as prescribed by the physician.

D-enzyme (Serratiopeptidase) 20 mg usually given for adults in a dose of 1 tablet orally, three times daily before or after each meal. Dose may be increased depending on the severity of the disease or as prescribed by the physician.

ADVERSE EFFECTS

D-enzyme (Serratiopeptidase) is generally well tolerated. The range of adverse effects observed are as follows:
1. Hypersensitivity reactions such as redness or rashes, which may infrequently occur.
2. Gastrointestinal: Diaorrhoea may occur, Anorexia, gastric discomfort, nausea or vomiting may occur infrequently.

DRUG INTERACTIONS

D-enzyme (Serratiopeptidase) may intensify the effect of anticoagulants when administered concomitantly, therefore **D-enzyme** should be given with caution to those patients who takes anticoagulants or having coagulation abnormalities.

CONTRAINDICATIONS

Hypersensitivity to the active substance or to any of the excipients.

WARNING AND PRECAUTIONS

D-enzyme (Serratiopeptidase) should be administered with caution to the following patients:
1. Patients with blood coagulation disorder.
2. Patients with serious hepatic and renal disorder.

TOXICITY

Chronic Toxicity

D-enzyme (Serratiopeptidase) showed no chronic toxicity when given several times higher than usual human dose to rats when given for 6 months.

Acute Toxicity

D-enzyme (Serratiopeptidase) has Ld50 over 2000 mg/kg which is several thousand times higher than usual dose.

Teratogenic effects

D-enzyme (Serratiopeptidase) showed no teratogenic effect in experimental animals when given several times higher than usual human dose.

STORAGE

Store below 30°C. Protect from sunlight and moisture.
The expiration date refers to the product correctly stored at the required conditions.

HOW SUPPLIED

D-enzyme (Serratiopeptidase) 10 mg Tablets are available in blister pack of 20's.
D-enzyme (Serratiopeptidase) 20 mg Tablets are available in blister pack of 20's.

Keep out of reach of children

Please read the contents carefully before use
This package insert is continually updated from time to time.

Manufactured by: Hiranis Pharmaceuticals (Pvt.) Ltd.
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DRAP Enlistment No. : 00174

SCILIFE

Manufactured for:
Scilife Pharma (Pvt.) Ltd.,
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Karachi-75350, Pakistan.

خوراک:
ڈاکٹر کی ہدایت کے مطابق استعمال کریں۔ یا۔
تفصیلی ہدایت کے لئے ڈبے کے اندر موجود پرچہ ملاحظہ کریں۔
ہدایات: دوا کو ۳۰ ڈگری سینٹی گریڈ سے کم درجہ حرارت پر رکھیں۔
دھوپ اور نمی سے بچائیں۔ بچوں کی پہنچ سے دور رکھیں۔