

Trident Combination for
BETTER ACTION



IMPUROSE-AC 10

Rosuvastatin 10 mg + Aspirin 75 mg + Clopidogrel 75 mg Capsules

IMPUROSE-AC 20

Rosuvastatin 20 mg + Aspirin 75 mg + Clopidogrel 75 mg Capsules

IMPUROSE-AC 10

Rosuvastatin 10 mg + Aspirin 75 mg + Clopidogrel 75 mg Capsules

IMPUROSE-AC 20

Rosuvastatin 20 mg + Aspirin 75 mg + Clopidogrel 75 mg Capsules

BACKGROUND:

- The burden of ACS in India is one of the highest in the world.
- Acute coronary syndrome (ACS) includes acute myocardial infarction (MI) and unstable angina.
- Following an ACS, the chances of recurrent coronary events are higher than that of a stable coronary disease. The major contributing factors relating to ACS are dyslipidemia and atherosclerosis of coronary arteries.
- A study called **CREATE**, involving 20,937 patients, suggested that Indian patients with ACS have a higher rate of STEMI than patients in the developed countries.

DESCRIPTION:

IMPUROSE-AC is the combination of Rosuvastatin, Aspirin and Clopidogrel used in the primary prevention and secondary prevention of Coronary Artery Diseases. There are two strength available of **IMPUROSE-AC**.

IMPUROSE-AC-10:

Rosuvastatin 10 mg, Aspirin 75 mg and Clopidogrel 75 mg Capsules.

IMPUROSE-AC-20:

Rosuvastatin 20 mg, Aspirin 75 mg and Clopidogrel 75 mg Capsules.

INDICATION:

IMPUROSE-AC is indicated in primary as well as secondary prevention of atherothrombosis, Acute coronary syndrome, non-ST-elevation myocardial infarction, stroke and angina.

MECHANISM OF ACTION:

- Rosuvastatin is a lipid lowering agent that competitively inhibits hydroxymethylglutaryl-coenzyme A (HMG-CoA) reductase. HMG-CoA reductase catalyzes the conversion of HMG-CoA to mevalonic acid, the rate-limiting step in cholesterol biosynthesis. Thus, Rosuvastatin reduces the formation of cholesterol.
- Aspirin inhibits cyclooxygenase enzyme, which results in the inhibition of the biosynthesis of prostaglandins. Thus, Aspirin inhibits platelet aggregation and is used in the prevention of arterial and venous thrombosis.
- Clopidogrel acts by inhibiting the adenosine diphosphate receptor on platelet cell membranes in order to inhibit platelet activation and aggregation.

DOSAGE AND ADMINISTRATION:

The recommended daily dose of **IMPUROSE-AC** is one capsule a day or as directed by the physician.

*STEMI- ST-segment elevation myocardial infarction




Reference: Lancet. 2008 Apr 26;371(9622):1435-42

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