

Angical-50

Amlodipine BP 5 mg
Atenolol BP 50 mg

Tablet

COMPOSITION

Each tablet contains Amlodipine Besilate BP 6.94 mg equivalent to Amlodipine BP 5 mg and Atenolol BP 50 mg.

PHARMACOLOGY

Amlodipine is a dihydropyridine calcium antagonist that inhibits the transmembrane influx of calcium ions into vascular smooth muscle and cardiac muscle; it has a greater effect on vascular smooth muscle than on cardiac muscle. Amlodipine is a peripheral vasodilator that acts directly on vascular smooth muscle to cause a reduction in peripheral vascular resistance and reduction in blood pressure. Atenolol is a cardio selective beta-blocker. The cardio-selectivity is dose-related. Atenolol causes a reduction in blood pressure by lowering cardiac output, decreasing the plasma renin activity and sympathetic outflow from CNS. Atenolol also causes a reduction in myocardial oxygen demand by virtue of its negative inotropic and negative chronotropic effects.

INDICATION

Patients with essential hypertension, patients with angina pectoris & hypertension as co-existing diseases in post MI patients, patients with refractory angina pectoris where nitrate therapy has failed.

DOSAGE AND ADMINISTRATION

The recommended dosage of Atenolol and Amlodipine is one tablet daily. If necessary, the dosage may be increased to two tablets daily or as advised by the Physicians. The dosage however should be individualized.

CONTRAINDICATION

Hypersensitivity to any of the component.

PRECAUTION

Bronchospasm: The combination should be used with caution in patients with airway obstruction.

Renal impairment: In renal impairment, caution may be necessary if the creatinine clearance is less than 30 ml/min because of possible reduction in the excretion of unchanged Atenolol.

Hepatic impairment: Caution may be necessary in the use of the combination in patients with severe liver damage because of prolongation of the elimination half-life of Amlodipine.

Drug withdrawal: Since coronary heart disease may exist without being recognized, patients should be warned against stopping the drug suddenly. Any discontinuation should be gradual and under observation.

SIDE EFFECT

The combination of Amlodipine and Atenolol is well tolerated. Overall side-effects include fatigue, headache, edema, nausea, drowsiness, anxiety and depression.

DRUG INTERACTION

Disopyramide: Atenolol reduces the clearance of disopyramide by 20%. Additive inotropic effects on the heart may be produced. Ampicillin: Ampicillin at doses of 1g and above may reduce Atenolol levels. Oral antidiabetic and insulin: Beta-blockers may decrease tissue sensitivity to insulin and inhibit insulin secretion in response to oral antidiabetics. Atenolol has less potential for these actions. The heart rate may not be reliable as an early warning of hypoglycaemia.

USE IN PREGNANCY AND LACTATION

Pregnancy: The combination should be used during pregnancy only if the expected benefit outweighs the potential foetal risk

Lactation: Nursing mothers should not use the combination. If its use is considered necessary, breast feeding should be stopped.

STORAGE CONDITION

Store at a cool & dry place, protect from light & moisture. Keep out of reach of children.

HOW SUPPLIED

Each commercial pack contains 3x10's tablet in blister pack..



Manufactured by
Apex Pharma Ltd.
Shafipur, Gazipur