

Mydipin Tablet

Composition : **MYDIPIN 5:** Each film-coated tablet contains Cilnidipine INN 5 mg.
MYDIPIN 10: Each film-coated tablet contains Cilnidipine INN 10 mg.

Description : Cilnidipine is a 4th generation Calcium channel blocker. It is vaso selective and has a weak direct dromotropic effect, a strong vasodepressor effect and an arrhythmia-inhibiting effect. Cilnidipine has good oral absorption and a long time of action. It shows a long half-life of 7.5 h. Cilnidipine was rapidly metabolized in human liver by Cytochrome P450 3A (CYP3A) is the major human CYP involved in the dehydrogenation of dihydropyridine ring of Cilnidipine.

Mode of action : Cilnidipine is a Ca²⁺ channel blocker with a dual L & N-type Ca²⁺ channel-blocking action. The L-type calcium channel blockade by Cilnidipine affects predominantly vascular smooth muscle, thereby producing vasodilation of peripheral resistance vessels and coronary arteries. The blockade of N-type Ca²⁺ channels effectively suppresses neurohormonal regulation in the cardiovascular system, including sympathetic nervous system and renin-angiotensin-aldosterone system. Thus, Cilnidipine can reduce various types of complications of hypertension as well as cardiovascular diseases.

Indications : Hypertension.

Dosage & administration : The recommended adult oral dosage of Cilnidipine is 5-10 mg once daily. The dosage can be increased up to 20 in a day, if needed. Or, as directed by the registered physician.

Contraindications : Cardiogenic shock; recent MI or acute unstable angina; severe aortic stenosis.

Side effects : Dizziness, flushing, headache, hypotension, palpitations, GI disturbances, myalgia, tremor.

Precautions : Hypotension, poor cardiac reserve, heart failure. Sudden withdrawal

may exacerbate angina. Discontinue in patients who experience ischemic pain following administration.

Drug interactions : It interacts with other antihypertensive, aldosterone, antipsychotics that cause hypotension, may modify insulin and glucose responses, quinidine, carbamazepine, phenytoin, rifampicin, cimetidine, erythromycin.

Overdose : Available data suggest that gross over dosage could result in excessive peripheral vasodilatation and possibly reflex tachycardia.

Use in pregnancy & lactation : No specific information about USFDA pregnancy category. Caution should be exercised during Cilnidipine use in pregnancy. Nursing mothers should consult a physician before taking Cilnidipine.

Storage : Store in a cool and dry place, protected from light. Keep out of reach of children.

Packaging : **MYDIPIN 5:** Each box contains 3 x 14's tablets in blister pack.

MYDIPIN 10: Each box contains 2 x 14's tablets in blister pack.