

# CILMEDIP

CILNIDIPINE INN

## **Compositions:**

Cilmedip 5 Tablet: Each film coated tablet contains Cilnidipine INN 5 mg. Cilmedip-10: Each film coated tablet contains Cilnidipine INN 10 mg.

## **Pharmacology:**

Cilnidipine is a dihydropyridine calcium-channel blocker. Cilnidipine binds to the dihydropyridine binding sites of the L-type voltage dependent calcium channel and inhibits Ca<sup>2+</sup> influx across the cell membranes of vascular smooth muscle cells via this channel, consequently vascular smooth muscle is relaxed, causing vasodilation. Cilnidipine inhibits Ca<sup>2+</sup> influx via N-type voltage dependent calcium channels in the sympathetic nerve cell membrane. The inhibition of Ca<sup>2+</sup> influx via N-type voltage dependent calcium channel was observed over a similar range of drug concentrations to those inhibiting L-type voltage dependent Ca<sup>2+</sup> channels. Consequently, release of norepinephrine from sympathetic nerve terminals would be inhibited. Cilnidipine is considered to suppress the reflex increase in heart rate after blood pressure reduction.

## **Dosage And Administration:**

Adults: 5-10 mg once daily after breakfast. Maximum dose: 20 mg once daily. Elderly: Since the elderly may be more susceptible to hypotension, therapy should be initiated with the lowest possible dose (5 mg). Children and adolescents: The safety of Cilnidipine in pediatric patients has not been established.

## **Contraindications:**

Cilnidipine is contraindicated in patients with known sensitivity to Cilnidipine or any of the excipients or patients having cardiogenic shock, recent MI or acute unstable angina and severe aortic stenosis.

## **Warning And Precaution:**

Cilnidipine should be administered with care in the following patients: patients with serious hepatic dysfunction, patients with a history of serious adverse reactions to calcium antagonists. During the discontinuation, the dosage should be gradually decreased under close observation.

## **Side Effects:**

The most common side effects of Cilnidipine are: Dizziness; flushing; headache; hypotension; peripheral oedema; palpitations; GI disturbances; increased micturition frequency; lethargy; eye pain; depression.

## **Use in Pregnancy and Lactation:**

Pregnancy: Cilnidipine should not be administered in pregnant woman or woman having possibilities of being pregnant. Lactation: It is also advisable to avoid the administration of Cilnidipine to nursing mothers. However, if the administration is indispensable, the patient should be instructed to discontinue lactation.

## **Drug Interaction:**

Other anti-hypertensive, antipsychotics that cause hypotension, quinidine, carbamazepine, phenytoin, rifampicin, cimetidine, erythromycin.

## **Overdosage:**

In case of drug overdose, contact a health care practitioner or hospital emergency department.

**Storage:**

Store in a cool (below 30°C) and dry place protected from light and moisture. Keep out of the reach of the children.

**Packing:**

Cilmedip 5 Tablet : Each box contains 3 X 10's tablet in blister strip. Cilmedip 10 Tablet: Each box contains 3 X 10's tablet in blister strip.

Manufactured By:

The IBN SINA Pharmaceutical Industry PLC.

Shafipur, Gazipur, Bangladesh.