

Elevating Blood Pressure Management with a Dual Approach



In Diabetic Hypertension

^{Rx} **Affotel™-AM**
Telmisartan 40mg + Amlodipine 5mg Tablets



In Diabetic Hypertension



Available Strengths

Affotel -AM

Telmisartan 40 mg + Amlodipine 5 mg Tablets

Background Description

► This fixed-dose combination brings together Telmisartan, an angiotensin II receptor blocker (ARB), and Amlodipine, a calcium channel blocker (CCB). It is specifically designed for patients with hypertension who require more than one medication to achieve effective blood pressure control. By addressing blood pressure from two different pathways—vascular resistance and arterial relaxation—this combination ensures more consistent and effective results.

Indication

Affotel AM is indicated for the treatment of Diabetic hypertension in

► Whose blood pressure is not adequately controlled with monotherapy.
► Who require combination therapy to lower cardiovascular risk and reduce the chances of stroke, heart attack, and other complications associated with uncontrolled hypertension.

Mechanism of Action

► **Telmisartan** works by blocking the effects of angiotensin II, a hormone that Constricts blood vessels and raises blood pressure. By binding to AT1 receptors, it relaxes blood vessels, lowers vascular resistance, and decreases aldosterone secretion.
► **Amlodipine** is a calcium channel blocker that prevents calcium ions from entering smooth muscle and cardiac cells. This leads to relaxation of blood vessels, reduction in vascular stiffness, and improved blood flow.
► Together, they provide a dual mechanism reducing both vascular resistance and arterial stiffness offering superior blood pressure control compared to single therapy.

Dosage & Administration

► one tablet daily or as prescribed by the doctor, with or without food, preferably at the same time each day. Special care is advised for patients with impaired liver or kidney function, elderly patients, or those with low blood pressure.

