



**A Dual Approach
to Heart Health**

In Hypertension with CAD post MI

Rx **Affotel™-BETA** **25/50**

Telmisartan 40mg + Metoprolol 25/50 mg Tablets



In Hypertension with CAD post MI

Rx AffoTel-BETA TM $\frac{25}{50}$

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Background

- Hypertension often requires combination therapy to achieve sustained blood pressure control and reduce cardiovascular risk. While Telmisartan, an angiotensin II receptor blocker (ARB), provides effective vasodilation and end-organ protection, Metoprolol Succinate, a cardio-selective beta-blocker, reduces heart rate and myocardial oxygen demand. Together, they offer a synergistic approach for patients with hypertension, especially those with associated cardiac risk.

Available Strengths

Affotel Beta 25 (Telmisartan 40 mg + Metoprolol 25 mg Tablets)

Affotel Beta 50 (Telmisartan 40 mg + Metoprolol 50 mg Tablets)

Indication

- Affotel Beta 25/50 is indicated **In Hypertension with CAD post MI**
- It is particularly beneficial in patients with hypertension and co-existing cardiovascular risk factors such as ischemic heart disease or heart failure.

Mechanism of Action

- **Telmisartan:** Blocks angiotensin II from binding to AT1 receptors, preventing vasoconstriction and aldosterone release. This lowers blood pressure and provides vascular and renal protection.
- **Metoprolol:** A cardio-selective β 1-blocker that reduces heart rate, cardiac output, and myocardial oxygen consumption, thereby lowering blood pressure and improving cardiac outcomes. Metoprolol is a selective beta-1 blocker that reduces heart rate and myocardial contractility, lowering cardiac output and blood pressure, which eases the heart's workload. It slows AV node conduction, controlling heart rate in arrhythmias. By decreasing the heart's oxygen demand, it benefits angina and heart failure, improving function and survival. In heart failure, it enhances ejection fraction, reduces symptoms, and improves exercise tolerance by managing sympathetic stimulation.
- **Combination Effect:** Complements vasodilation with heart rate control, offering comprehensive blood pressure management and improved cardiovascular protection. The combination of Telmisartan and Metoprolol effectively reduces blood pressure and heart rate, lowering the heart's workload. Telmisartan promotes vasodilation, while Metoprolol stabilizes heart rhythm, improving heart efficiency. Together, they enhance heart failure management, reduce oxygen demand, and improve overall cardiovascular function.

Dosage & Administration

- **Affotel Beta 25:** One tablet once daily or as prescribed by the doctor.
- **Affotel Beta 50:** One tablet once daily or as prescribed by the doctor.