



# Powerful Synergy for Heart Health

In Uncontrolled Essential Hypertension

# Rx **Affotel™-MLN 25/50**

Telmisartan 40mg + Metoprolol 25mg/50mg + Cilnidipine 10mg Tablets



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### Background

Hypertension is a major risk factor for cardiovascular diseases such as heart attack, stroke, and heart failure. Effective management often requires combination therapy, particularly in patients with comorbid conditions like heart disease, diabetes, or kidney disease. The combination of an angiotensin II receptor blocker (ARB), beta-blocker, and calcium channel blocker targets different mechanisms of blood pressure regulation, providing a synergistic effect that lowers blood pressure and reduces the risk of cardiovascular events.

### Product Description

AFFOTEL MLN

**Telmisartan:** 40 mg

**Cilnidipine:** 10 mg

**Metoprolol Succinate:** 25 & 50

Available in two strengths, 40 mg/10 mg/25 mg & 40 mg/10 mg/50 mg combinations tablet.

### Mechanism of Action

**Telmisartan:** An angiotensin II receptor blocker (ARB) that relaxes blood vessels by blocking the effects of angiotensin II, thereby lowering blood pressure.

**Metoprolol Succinate:** A beta-blocker that reduces heart rate and myocardial contractility, leading to decreased cardiac output and blood pressure.

**Cilnidipine:** A calcium channel blocker that inhibits both L-type and N-type calcium channels, leading to vasodilation and reduced blood pressure.

This combination therapy provides comprehensive blood pressure management by targeting angiotensin receptors, beta-adrenergic pathways, and calcium channels. This multi-pronged approach is highly effective for patients with uncontrolled essential hypertension, offering significant reduction in systolic and diastolic blood pressure and improving long-term cardiovascular outcomes.

### Indication

AFFOTEL –MLN 25 / 50 is indicated in **Uncontrolled Hypertension**

### Dosage and Administration

**Recommended Dosage:** One tablet daily or as prescribed by the Doctor (preferably at the same time each day).

**With or Without Food:** The tablet can be taken with or without food.



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