

# Manidipine

Catalog No: tcsc2523



## Available Sizes

**Size:** 100mg

**Size:** 200mg



## Specifications

**CAS No:**

89226-50-6

**Formula:**

$C_{35}H_{38}N_4O_6$

**Pathway:**

Membrane Transporter/Ion Channel

**Target:**

Calcium Channel

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

610.7

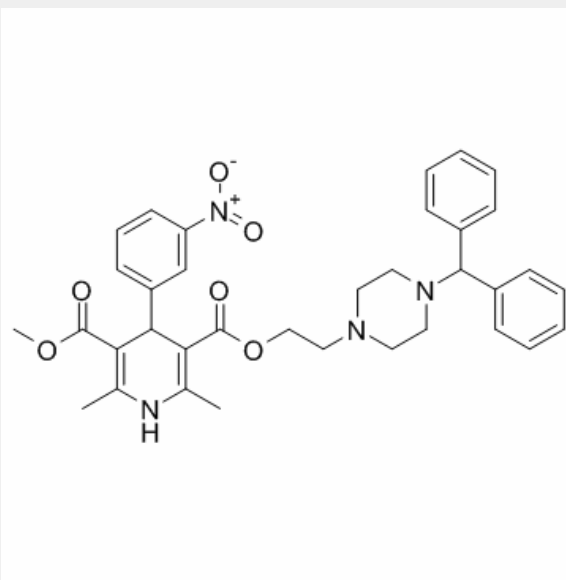
## Product Description

Manidipine is a calcium channel blocker that is used clinically as an antihypertensive.

Target: Calcium Channel

Manidipine is a dihydropyridine calcium antagonist, which causes systemic vasodilation by inhibiting the voltage-dependent calcium inward currents in smooth muscle cells. Manidipine was well tolerated in clinical trials, with most adverse effects related to

vasodilation [1]. Manidipine is a lipophilic, third-generation dihydropyridine calcium channel antagonist with a high degree of selectivity for the vasculature, thereby inducing marked peripheral vasodilation with negligible cardiodepression. Manidipine represents a first-line treatment option for patients with essential mild-to-moderate hypertension [2]. Manidipine has neutral effects on glucose and lipid metabolism and is generally well tolerated. Manidipine thus represents a first-line option for lowering BP in patients with mild-to-moderate hypertension [3].



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