Manidipine

Cat. No.: HY-B0419
CAS No.: 89226-50-6
Molecular Formula: C₃₅H₃₈N₄O₆
Molecular Weight: 610.7
Target: Calcium Channel
Pathway: Membrane Transporter/Ion Channel
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

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].

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.