Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Moexipril (hydrochloride)

Catalog No: tcsc2446

Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
82586-52-5

Formula:
$C_{27}H_{35}ClN_2O_7$

Pathway:
Metabolic Enzyme/Protease

Target:
Angiotensin-converting Enzyme (ACE)

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
RS-10085

Observed Molecular Weight:
535.03

Product Description

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Moexipril HCl is a potent orally active non-sulfhydryl angiotensin converting enzyme(ACE) inhibitor, which is used for the treatment of hypertension and congestive heart failure.

Target: ACE

Moexipril is a long-acting ACE inhibitor suitable for once-daily administration, and like some ACE inhibitors, moexipril is a prodrug and needs to be hydrolyzed in the liver into its active carboxylic metabolite, moexiprilat, to become effective [1]. Upon oral administration of moexipril (10 mg/kg/day) to spontaneously hypertensive rats, plasma angiotensin II concentration decreased to undetectable levels, plasma ACE activity was inhibited by 98% and plasma angiotensin I concentration increased 8.6-fold 1 h after dosing. At 24 h, plasma angiotensin I and angiotensin II concentrations had returned to pretreatment levels, whereas plasma ACE activity was still inhibited by 56%. Four-week oral administration of moexipril (0.1-30 mg/kg/day) to spontaneously hypertensive rats lowered blood pressure and differentially inhibited ACE activity in plasma, lung, aorta, heart and kidney in a dose-dependent fashion [2, 3].