

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:

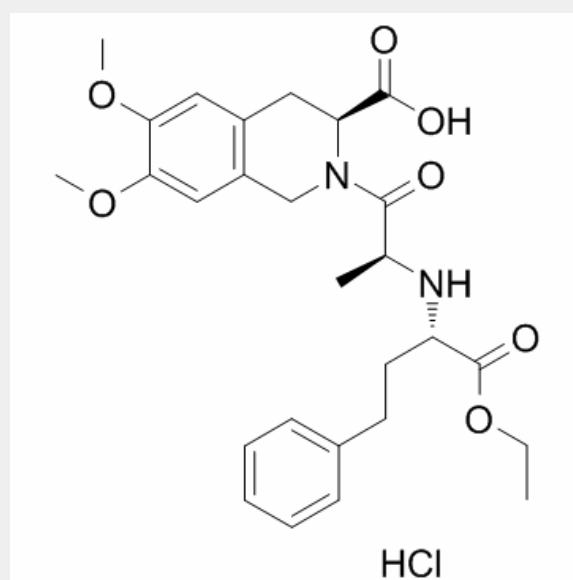
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Product Description

Moexipril HCl is a potent orally active non-sulphydryl 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].



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