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

Candesartan

Catalog No: tcsc2146

Available Sizes

Size: 10mg

Size: 50mg

Specifications

CAS No:
139481-59-7

Formula:
$C_{24}H_{20}N_6O_3$

Pathway:
GPCR/G Protein

Target:
Angiotensin Receptor

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
CV 11974

Observed Molecular Weight:
440.45

Product Description

Candesartan is an angiotensin II receptor antagonist with IC50 of 0.26 nM.

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Target: Angiotensin II Receptor

candesartan is indicated for the treatment of hypertension. Results from the CHARM study in the early 2000s demonstrated the morbidity and mortality reduction benefits of candesartan therapy in congestive heart failure. Thus, while ACE inhibitors are still considered first-line therapy in heart failure, candesartan can be used in combination with an ACE to achieve improved mortality and morbidity vs. an ACE alone and additionally is an alternative in patients intolerant of ACE inhibitor therapy.

Candesartan (0.5 mg/kg) decreases blood pressure and inhibits AT1 binding in the subfornical organ (SFO), paraventricular nucleus of the hypothalamus (PVN), nucleus of the solitary tract (NTS) and area postrema (AP) in WKY rats. Candesartan (0.3 mg/kg) pretreatment decreases the infarct area by 31% in adult spontaneously hypertensive rats, reduces the CBF decrease at the peripheral area of ischemia and the cortical volume of severe ischemic lesion.