Web: www.taiclone.com
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Enalaprilat (dihydrate)

Catalog No: tcsc2199

Available Sizes

Size: 50mg

Size: 100mg

Specifications

CAS No:
84680-54-6

Formula:
$C_{18}H_{28}N_2O_7$

Pathway:
Metabolic Enzyme/Protease;Autophagy

Target:
Angiotensin-converting Enzyme (ACE);Autophagy

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
MK-422

Observed Molecular Weight:
384.42

Product Description

Enalaprilat is an angiotensin-converting enzyme (ACE) inhibitor with IC50 of 1.94 nM.

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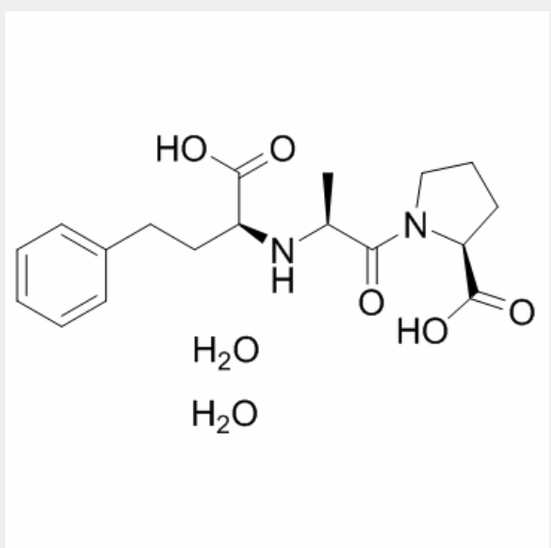
Target: ACE

Enalaprilat has high affinity for human endothelial ACE with IC50 of 1.94 nM in vitro binding assay by displacing a saturating concentration of [125I]351A, a radiolabeled lisinopril analogue from ACE binding sites, and shows bradykinin/angiotensin I selectivity ratio of 1.00 calculated from double displacement experiments [1]. Enalaprilat attenuates the IGF-I induced neonatal rat cardiac fibroblast growth (30% reduction) in a concentration-dependent fashion, with IC50 of 90 mM [2].

Administration of Enalaprilat induces a significant reduction of MAP at 70 minutes compared with the placebo group during haemorrhagic shock in rats, and results in a 50% reduction of CO, a general tendency of EB extravasation which is significant in the kidney and lungs, and a significant increase in ileal EB extravasation (53%) [3].



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