

Enalapril (maleate)

Catalog No: tcsc2373



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

76095-16-4

Formula:

$C_{24}H_{32}N_2O_9$

Pathway:

Metabolic Enzyme/Protease

Target:

Angiotensin-converting Enzyme (ACE)

Purity / Grade:

>98%

Solubility:

H₂O : 33.33 mg/mL (67.67 mM; Need ultrasonic and warming); DMSO : ≥ 50 mg/mL (101.52 mM)

Alternative Names:

MK-421 (maleate)

Observed Molecular Weight:

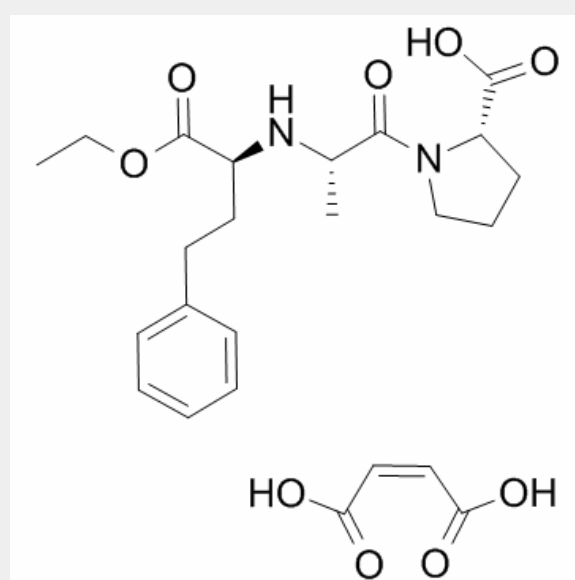
492.52

Product Description

Enalapril Maleate, the active metabolite of enalapril, is an angiotensin-converting enzyme (ACE) inhibitor.

Target: ACE

Enalapril is a prodrug that belongs to the angiotensin-converting enzyme (ACE) inhibitor class of medications. It is rapidly metabolized in the liver to enalaprilat following oral administration. Enalaprilat is a potent, competitive inhibitor of ACE, the enzyme responsible for the conversion of angiotensin I (ATI) to angiotensin II (ATII). ATII regulates blood pressure and is a key component of the renin-angiotensin-aldosterone system (RAAS). Enalapril may be used to treat essential or renovascular hypertension and symptomatic congestive heart failure [1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!