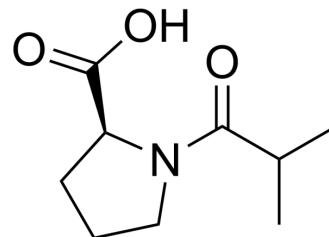


Captopril EP Impurity E

Cat. No.:	HY-137772
CAS No.:	23500-15-4
Molecular Formula:	C ₉ H ₁₅ NO ₃
Molecular Weight:	185.22
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Captopril EP Impurity E is an impurity of Captopril. Captopril (SQ-14534), antihypertensive agent, is a thiol-containing competitive, orally active angiotensin-converting enzyme (ACE) inhibitor (IC₅₀=0.025 μM)^{[1][2][3]}.

REFERENCES

- [1]. ANCA GABRIELA CĂRJE, et al. HPLC-UV METHOD APPROACH FOR THE ANALYSIS AND IMPURITY PROFILING OF CAPTOPRIL.
- [2]. Afrin S, et al. Eritadenine from Edible Mushrooms Inhibits Activity of Angiotensin Converting Enzyme in Vitro. J Agric Food Chem. 2016;64(11):2263-2268.
- [3]. Esmaili S, et al. Captopril/enalapril inhibit promiscuous esterase activity of carbonic anhydrase at micromolar concentrations: An in vitro study. Chem Biol Interact. 2017;265:24-35.

Caution: Product has not been fully validated for medical applications. For research use only.

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