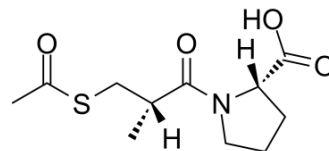


Captopril EP Impurity J

Cat. No.:	HY-W013886
CAS No.:	64838-55-7
Molecular Formula:	C ₁₁ H ₁₇ NO ₄ S
Molecular Weight:	259.32
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Captopril EP Impurity J 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]. Li, Hp, et al. Synthesis and characterization of captopril derivatives. Res Chem Intermed 39, 621–629 (2013).
- [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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA