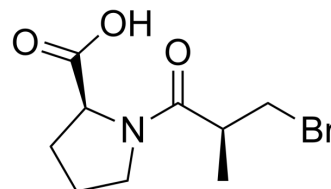


## Captopril EP Impurity B

Cat. No.:	HY-137768
CAS No.:	80629-35-2
Molecular Formula:	C <sub>9</sub> H <sub>14</sub> BrNO <sub>3</sub>
Molecular Weight:	264.12
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 B is an impurity of Captopril. Captopril (SQ-14534), antihypertensive agent, is a thiol-containing competitive, orally active angiotensin-converting enzyme (ACE) inhibitor (IC<sub>50</sub>=0.025 μM)<sup>[1][2][3]</sup>.

### 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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