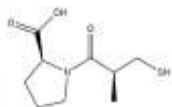


PRODUCT: Captopril**ALTERNATE NAME:** (2S)-1-(3-Mercapto-2-methyl-propionyl)-L-proline**CATALOG #:** B1187-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** C₉H₁₅NO₃S**MOLECULAR WEIGHT:** 217.28**CAS NUMBER:** 62571-86-2**APPEARANCE:** White solid**SOLUBILITY:** DMSO (20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.

DESCRIPTION: Captopril is an angiotensin-converting enzyme (ACE) inhibitor (IC₅₀ = 0.022 μM). Also inhibits the bifunctional Zn²⁺-containing leukotriene A₄ hydrolase/aminopeptidase (LTA₄ hydrolase) reversibly and competitively (K_i = 6.0 μM for leukotriene B₄ formation and K_i = 60 nM for L-lysine-*p*-nitroanilide). Displays vasodilatory and antihypertensive effects *in vivo*. Clinically useful antihypertensive agent.

REFERENCES: Orning, L., *et al.* (1991). *J. Biol.Chem.* **266**, 16507-16511.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:ACE2 Inhibitor, DX600 (**9687**)ACE2 Activity Assay Kit (Fluorometric) (**K897**)ACE2 Inhibitor Screening Kit (Fluorometric) (**K310**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**