

Captopril

Catalog Number :6258621

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Synonyms: Lopirin, Capoten, SQ 14,225

Chemical Name: (2S)-1-[(2S)-2-methyl-3-sulfanylpropanoyl]pyrrolidine-2-carboxylic acid

Molecular Formula: C₉H₁₅NO₃S

Molecular Weight: 217.3

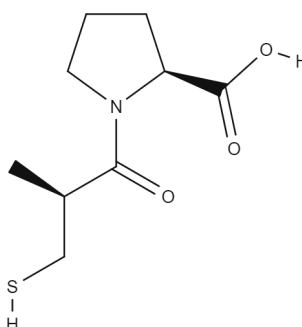
CAS Number: 62571-86-2

Purity: 98%

Applications: FA

Formulation: Crystalline solid

Storage: Product should be kept at -20°C.



Description

Captopril is an angiotensin-converting enzyme (ACE) inhibitor that blocks the conversion of angiotensin I to angiotensin II and prevents the degradation of vasodilatory prostaglandins. Captopril is also a reversible inhibitor of leukotriene hydrolase and exhibits antihypertensive properties. It is currently being researched regarding its interaction with proteins that interact with SARS-CoV-2

Preparation & Storage

Soluble in organic solvents such as DMF and DMSO. Soluble in DMSO up to 30mg/ml.

References

1. Brogden, R. N., Todd, P. A., Sorkin, E. M. (1988). Captopril.; *Drugs*; 36(5), 540-600.
2. Vidt, D. G., Bravo, E. L., Fouad, F. M. (1982). Captopril.; *New England Journal of Medicine*; 306(4), 214-219.
3. Hirooka, Y., Imaizumi, T., Masaki, H., Ando, S. I., Harada, S., Momohara, M., Takeshita, A. (1992). Captopril improves impaired endothelium-dependent vasodilation in hypertensive patients.; *Hypertension*; 20(2), 175-180.