

Catalog	Unit
TBI2253 - 1G	1 g
TBI2253 - 5G	5 g

### Product Details

**Formal Name:** (2S)-1-(3-Mercapto-2-methyl-propionyl)-L-proline

**Molecular Formula:** C<sub>9</sub>H<sub>15</sub>NO<sub>3</sub>S

**Formula Weight:** 217.28

**CAS Number:** 62571-86-2

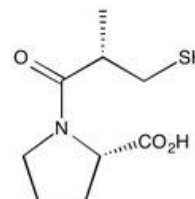
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml) or in Water (up to 20 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Angiotensin-converting enzyme inhibitor

### Functions

Captopril (62571-86-2) is an angiotensin-converting enzyme (ACE) inhibitor (IC<sub>50</sub> = 0.022 μM). Also inhibits the bifunctional Zn<sup>2+</sup>-containing leukotriene A<sub>4</sub> hydrolase/aminopeptidase (LTA<sub>4</sub> hydrolase) reversibly and competitively (K<sub>i</sub> = 6.0 μM for leukotriene B<sub>4</sub> formation and K<sub>i</sub> = 60 nM for L-lysine-p-nitroanilide). Displays vasodilatory and antihypertensive effects in vivo. Clinically useful antihypertensive agent.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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