

Product Data Sheet

Product Name: Captopril Disulfide

Cat. No.: GC43140

Chemical Properties

Cas. No. 64806-05-9

SMILES O=C(O)[C@H]1N(C([C@H](C)CSSC[C@@H](C)C(N2CCC[C@H]2C(O)=O)=O)=O)CC1

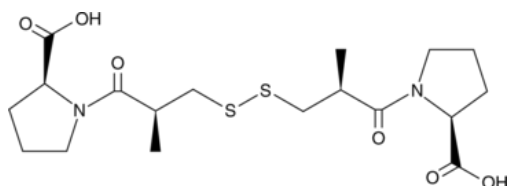
Formula C₁₈H₂₈N₂O₆S₂ M.Wt 432.6

Solubility DMSO : 116.67 mg/mL (269.73 mM; Storage Store at -20°C
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Captopril disulfide is a metabolite and symmetrical disulfide form of the angiotensin converting enzyme (ACE) inhibitor captopril . Captopril disulfide is the main degradation product of captopril and is formed by oxidation. It is a potential impurity in commercial preparations of captopril. Captopril disulfide inhibits angiotensin I-induced increases in mean arterial pressure in anesthetized dogs (ID₅₀ = 0.231 mg/kg, i.v.).

Caution: Product has not been fully validated for medical applications. For research use only.

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