

Product Data Sheet

Product Name: Perindoprilat

Cat. No.: GC44599

Chemical Properties

Cas. No. 95153-31-4

Chemical Name (2S,3aS,7aS)-1-[(2S)-2-[[[(1S)-1-carboxybutyl]amino]-1-oxopropyl]octahydro-1H-indole-2-carboxylic acid

SMILES [H][C@]12[C@](N(C([C@H](C)N[C@@H](CCC)C(O)=O)=O)[C@H](C(O)=O)C2)([H])C CCC1

Formula C₁₇H₂₈N₂O₅

M.Wt 340.4

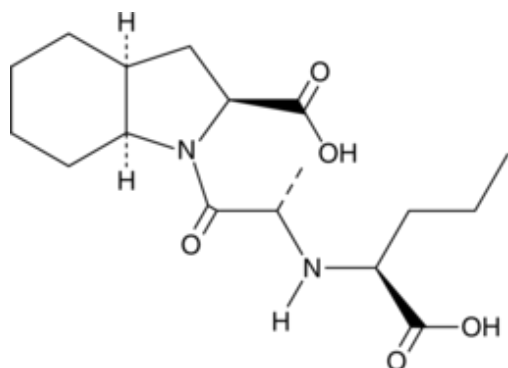
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, PBS (pH 7.2): 10 mg/ml

Storage Store at -20°C

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

Perindoprilat is the active metabolite of perindopril, an inhibitor of angiotensin converting enzyme (ACE) that has efficacy against hypertension. [1] Perindoprilat specifically and competitively inhibits ACE in vitro with IC₅₀ values ranging between 1.5 and 3.2 nM. Elimination of perindoprilat is decreased in the elderly and in patients with heart or renal failure.[1][2][3]

Reference:

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

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- [1]. Wang, J.g., Pimenta, E., and Chwallek, F. Comparative review of the blood pressure-lowering and cardiovascular benefits of telmisartan and perindopril. *Vascular Health and Risk Management* 10, 189-200 (2014).
- [2]. Sennesael, J., Ali, A., Sweny, P., et al. The pharmacokinetics of perindopril and its effects of serum angiotensin converting enzyme activity in hypertensive patients with chronic renal failure. *Br.J.Clin.Pharmac.* 33, 93-99 (1992).
- [3]. Parker, E., Aarons, L., Rowland, M., et al. The pharmacokinetics of perindoprilat in normal volunteers and patients: Influence of age and disease state. *European Journal of Pharmaceutical Sciences* 26(1), 104-113 (2005).

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