

Product Data Sheet

Product Name: Temocapril HCl

Cat. No.: GC17034

Chemical Properties

Cas. No. 110221-44-8

Chemical Name 2-[(2S,6R)-6-[[[(2S)-1-ethoxy-1-oxo-4-phenylbutan-2-yl]amino]-5-oxo-2-thiophen-2-yl]-1,4-thiazepan-4-yl]acetic acid;hydrochloride

SMILES CCOC(=O)C(CCC1=CC=CC=C1)NC2CSC(CN(C2=O)CC(=O)O)C3=CC=CS3.Cl

Formula $C_{23}H_{28}N_2O_5S_2.HCl$

M.Wt 513.07

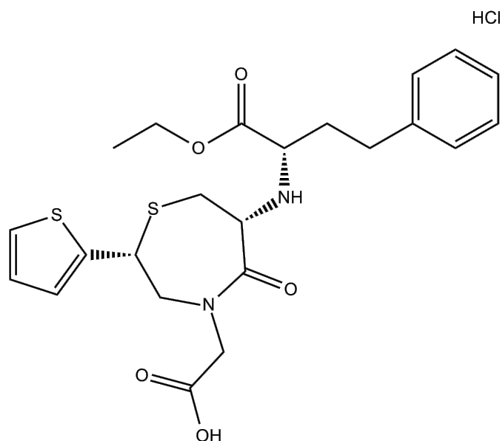
Solubility $\geq 13.25\text{mg/mL}$ in DMSO

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

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

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Temocapril Hydrochloride is a long-acting angiotensin-converting enzyme (ACE) inhibitor, used for the treatment of hypertension. Target: ACE
Temocapril hydrochloride is a novel prodrug-type angiotensin-I converting enzyme (ACE) inhibitor, lowering of the dose of temocapril might be recommended only in patients with severe renal insufficiency [1]. Temocapril is regarded as an ACE inhibitor the disposition and efficacy of which are little affected in patients with impaired liver function [2].

References:

- [1]. Nakashima, M., et al., Pharmacokinetics of temocapril hydrochloride, a novel angiotensin converting enzyme inhibitor, in renal insufficiency. Eur J Clin Pharmacol, 1992. 43(6): p. 657-9.
- [2]. Furuta, S., et al., Pharmacokinetics of temocapril, an ACE inhibitor with preferential biliary excretion, in patients with impaired liver function. Eur J Clin Pharmacol, 1993. 44(4): p. 383-5.

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