



# LKT Laboratories, Inc.

## Quinapril Hydrochloride

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### Product Information

**Product ID** Q8134

**CAS No.** 82586-55-8

**Chemical Name** (3S)-2-[(2S)-2-[[[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid hydrochloride

**Synonym** Accupril, Accuprin, Accupro, Acequin, Acuitel, Korec, Quinazil

**Formula**  $C_{25}H_{30}N_2O_5 \cdot HCl$

**Formula Wt.** 474.99

**Melting Point** 120-130°C

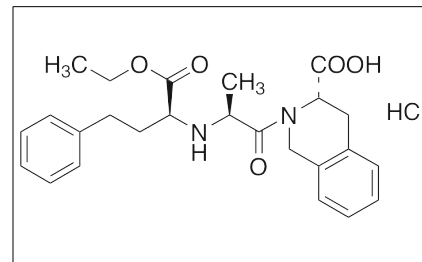
**Purity** ≥98%

**Solubility** Soluble in water  
(31mg/mL).

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Quinapril is an angiotensin II-converting enzyme (ACE) inhibitor that exhibits antihypertensive, anti-inflammatory, and cardioprotective activities; it is clinically used to treat hypertension and congestive heart failure. Quinapril decreases levels of aldosterone and increases excretion of  $Na^+$ . In animal models, quinapril decreases activity of matrix metalloproteinase 2 (MMP2), suppressing left ventricular remodeling. Additionally, this compound decreases expression of pro-inflammatory cytokines in animal models of heart failure. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
Q8134	100 mg	\$70.40
Q8134	500 mg	\$210.30
Q8134	1 g	\$336.30

**References** Brower GL, Levick SP, Janicki JS. Inhibition of matrix metalloproteinase activity by ACE inhibitors prevents left ventricular remodeling in a rat model of heart failure. *Am J Physiol Heart Circ Physiol.* 2007 Jun;292(6):H3057-64. PMID: 17308006.

We GC, Siroi MG, Qu R, et al. Effects of quinapril on myocardial function, ventricular remodeling and cardiac cytokine expression in congestive heart failure in the rat. *Cardiovasc Drugs Ther.* 2002 Jan;16(1):29-36. PMID: 12085975.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.