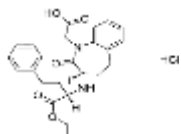


PRODUCT: Benazepril hydrochloride

ALTERNATE NAMES: (3S)-3-[(1S)-1-Ethoxycarbonyl-3-phenylpropyl]amino-2,3,4,5-tetrahydro-2-oxo-1*H*-1-benzazepine-1-acetic Acid Hydrochloride; CGS 14824A

CATALOG NUMBER: B2138-50, 250

AMOUNT: 50 mg, 250 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₄H₂₈N₂O₅·HCl

MOLECULAR WEIGHT: 460.96

CAS NUMBER: 86541-74-4

APPEARANCE: White solid

SOLUBILITY: DMSO (>40 mg/ml) or H₂O (20 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Benazepril is a prodrug of the angiotensin converting enzyme (ACE) inhibitor benazeprilat. It is metabolized to benazeprilat by hepatic esterases. Benazepril inhibits the *in vitro* enzymatic activity of partially purified ACE isolated from rabbit lung (IC₅₀ = 2 nM). Reduces blood pressure and myocardial hypertrophy in spontaneous hypertensive rats.

REFERENCE: Yamamoto, S., et al. (1991). *Arzneimittelforschung* **41**, 913-923

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ACE Inhibitor, DX600 (**9687**)

Benazepril hydrochloride (**B2138**)

Captopril (**B1187**)

Elanapril maleate (**B2131**)

Fosinopril sodium (**B2137**)

Imidapril hydrochloride (**B2135**)

Lisinopril dihydrate (**B2132**)

Moexipil hydrochloride (**B2134**)

Perindopril t-butylamine salt (**B2136**)

Ramipril (**B21333**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**