

PRODUCT: Imidapril hydrochloride

ALTERNATE NAMES: (4S)-3-[(2S)-2-[[[(1S)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1-methyl-2-oxo-4-imidazolidinecarboxylic acid hydrochloride, Novaloc, TA 6366, Tanapril

CATALOG NUMBER: B2135-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₀H₂₇N₃O₆ · HCl

MOLECULAR WEIGHT: 441.91

CAS NUMBER: 89396-94-1

APPEARANCE: White to off-white solid

SOLUBILITY: H₂O (>5 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Imidapril is a prodrug for the active metabolite imidaprilat, an angiotensin-converting enzyme (ACE) inhibitor that suppresses the conversion of angiotensin I to angiotensin II (IC₅₀ = 2.6 nM), thereby preventing vasoconstriction and decreasing aldosterone secretion by the adrenal cortex which leads to an increase in sodium excretion and subsequently increases water outflow.

REFERENCE: Hosoya, K., and Ishimitsu, T. (2002). *Cardiovascular Drug Reviews* **20**, 93-110.

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**)

Captopril (**B1187**)

Elanapril maleate (**B2131**)

Imidapril hydrochloride (**B2135**)

Lisinopril dihydrate (**B2132**)

Moexipil hydrochloride (**B2134**)

Ramipril (**B21333**)

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