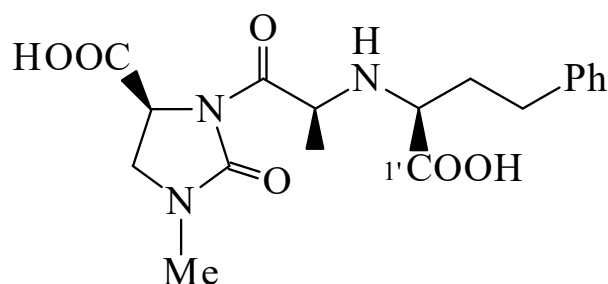




>>Entry Name: Imidaprilat, BAN, INN

Synonym(s): Novaloc. Novarok. SH 6366. TA 6366. Tanapril. Tanatril



CAS Registry Number: 89371-44-8

Related CAS Registry Numbers(s): 118016-66-3 120294-09-9

Molecular Formula: C₁₈H₂₃N₃O₆

Molecular Weight: 377.396

Accurate Mass: 377.158687

Percentage Composition: C 57.29%; H 6.14%; N 11.13%; O 25.44%

Physical Description: Cryst.

Development Status: Launched 1993 (Japan)

Melting Point: Mp 239-241 dec.°

Optical Rotation: $[\alpha]_D^{19} -88.4$ (c, 1 in 5% NaHCO₃)

Other Data: All poss. diastereoisomers of the parent acid (the active agent) have been synthesised and evaluated. The (S,S,S)-form (illus.) is the most active form

>>Derivative: 1'-Et ester

Synonym(s): Imidapril, BAN, INN. 3-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1-methyl-2-oxo-4-imidazolidinecarboxylic acid, 9CI

CAS Registry Number: 89371-37-9

Molecular Formula: C₂₀H₂₇N₃O₆

Molecular Weight: 405.45

Accurate Mass: 405.189987

Percentage Composition: C 59.25%; H 6.71%; N 10.36%; O 23.68%

Use/Importance: Angiotensin I-converting enzyme inhibitor. Antihypertensive agent

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 139-140°

Optical Rotation: $[\alpha]_D^{20} -71.7$ (c, 0.5 in EtOH)

Other Data: Imidapril is a prodrug

>>Derivative: 1'-Et ester; hydrochloride

CAS Registry Number: 89396-94-1

Physical Description: Needles

Melting Point: Mp 205-206 dec.°. Mp 214-216 dec.°

Optical Rotation: $[\alpha]_D^{24} -64.1$ (c, 0.5 in EtOH)

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Kubo, M. *et al.*, *Arzneim.-Forsch.*, 1992, **42**, 446; 451, (*pharmacol*)
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Matsuoka, M. *et al.*, *J. Chromatogr.*, 1992, **581**, 65, (*gc-ms*)
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