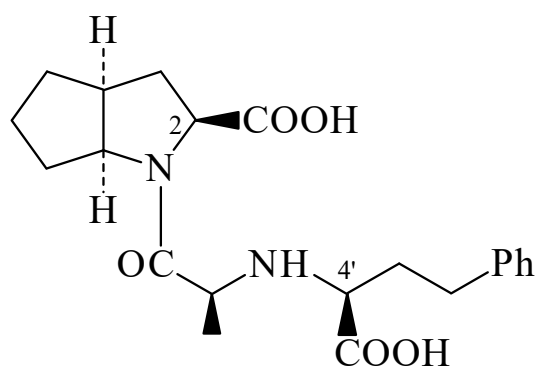




>>Entry Name: Ramiprilat, INN

Synonym(s): 1-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, 9Cl



CAS Registry Number: 87269-97-4

Related CAS Registry Numbers(s): 128263-54-7

Molecular Formula: C₂₁H₂₈N₂O₅

Molecular Weight: 388.463

Accurate Mass: 388.199823

Percentage Composition: C 64.93%; H 7.26%; N 7.21%; O 20.59%

Biological Use/Importance: Angiotensin converting enzyme inhibitor; antihypertensive agent

Calculated Log P Data: Log P 1.7 (calc)

>>Derivative: 4'-Et ester

Synonym(s): 1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, 9Cl. **Ramipril**, BAN, INN, USAN. Acovil.

Altace. Delix. Hypren. Pramace. Quark. Ramace. Tritace. Triatec. Unipril. Vesdil. Hoe 498

CAS Registry Number: 87333-19-5

Molecular Formula: C₂₃H₃₂N₂O₅

Molecular Weight: 416.516

Accurate Mass: 416.231123

Percentage Composition: C 66.32%; H 7.74%; N 6.73%; O 19.21%

Biological Use/Importance: Angiotensin converting enzyme inhibitor; antihypertensive agent

Physical Description: Felty needles

Development Status: Marketed drug. Launched 1989

Melting Point: Mp 109°

Optical Rotation: $[\alpha]_D^{24} +33.2$ (c, 1 in 0.1M EtOH/HCl)

Calculated Log P Data: Log P 1.64 (calc)

Other Data: Rapidly metab. *in vivo* to ramiprilat

Hazard & Toxicity: LD₅₀ (rat, orl) >10000 mg/kg. LD₅₀ (rat, ivn) 600 mg/kg

>>Derivative: 4'-Et, 2-octyl ester

CAS Registry Number: 123060-43-5

Molecular Formula: C₃₁H₄₈N₂O₅

Molecular Weight: 528.731

Accurate Mass: 528.356323

Percentage Composition: C 70.42%; H 9.15%; N 5.30%; O 15.13%

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{25} -23.9$ (c, 1 in MeOH)

>>Derivative: 4'-Et, 2-octyl ester; maleate

Synonym(s): Hoe 065

CAS Registry Number: 123060-44-6

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 89-90°

References: