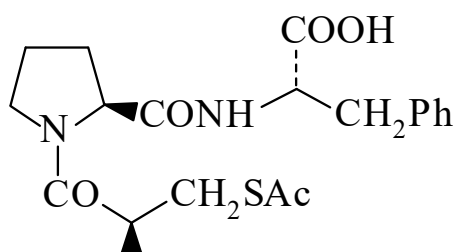




>>Entry Name: Alacepril, INN, JAN

Synonym(s): *N*-[1-[3-(Acetylthio)-2-methyl-1-oxopropyl]propyl]phenylalanine, 9Cl. [[3-Mercapto-2-methylpropionyl]propyl]-3-phenylalanine acetate. Cetapril. DU 1219



Absolute
configuration

CAS Registry Number: 74258-86-9

Molecular Formula: C₂₀H₂₆N₂O₅S

Molecular Weight: 406.502

Accurate Mass: 406.156243

Percentage Composition: C 59.09%; H 6.45%; N 6.89%; O 19.68%; S 7.89%

Use/Importance: Angiotensin converting enzyme inhibitor; antihypertensive agent

Physical Description: Cryst. (EtOH/hexane)

Development Status: Launched 1988

Melting Point: Mp 155-156°

Optical Rotation: $[\alpha]_D^{25} -81.3$ (c, 1.02 in EtOH)

Calculated Log P Data: Log P 2.38 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg. LD₅₀ (rat, ipr) 1872 mg/kg. Exp. reprod. effects

References:

Takeyama, K. *et al.*, *Arzneim.-Forsch.*, 1985, **35**, 1502; 1507, (*pharmacol*)

Minato, H. *et al.*, *Arzneim.-Forsch.*, 1989, **39**, 319, (*pharmacol*)

Sawayama, T. *et al.*, *Chem. Pharm. Bull.*, 1990, **38**, 529, (*synth*)

Ogihara, T. *et al.*, *Cardiovasc. Drug Rev.*, 1992, **10**, 88, (*rev*)

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