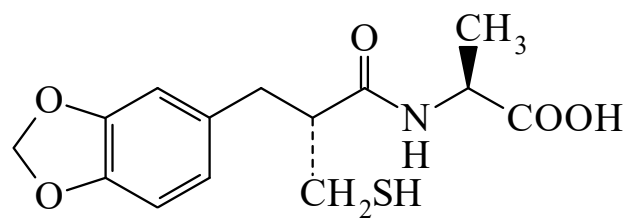




>>Entry Name: Alatrioprilat

Synonym(s): *N*-[3-(1,3-Benzodioxol-5-yl)-2-(mercaptomethyl)-1-oxopropyl]alanine, 9Cl. *N*-[3-(3,4-Methylenedioxyphenyl)-2-(mercaptomethyl)-1-oxopropyl]alanine



CAS Registry Number: 135038-59-4

Related CAS Registry Numbers(s): 135793-25-8

Molecular Formula: C₁₄H₁₇NO₅S

Molecular Weight: 311.358

Accurate Mass: 311.082744

Percentage Composition: C 54.01%; H 5.50%; N 4.50%; O 25.69%; S 10.30%

Use/Importance: Mixed ACE and atriopetidase inhibitor. Antihypertensive agent

Optical Rotation: $[\alpha]_D^{25} +12.9$ (c, 1.3 in MeOH)

Other Data: Stereochem. is (S,S). Related to Glycoprilat [NVF24-K](#)

>>Derivative: S-Ac

CAS Registry Number: 147841-90-5

Molecular Formula: C₁₆H₁₉NO₆S

Molecular Weight: 353.395

Accurate Mass: 353.093309

Percentage Composition: C 54.38%; H 5.42%; N 3.96%; O 27.16%; S 9.07%

>>Derivative: S-Ac, benzyl ester

Synonym(s): Benzyl *N*-[3-(acetylthio)-2-(1,3-benzodioxol-5-ylmethyl)-1-oxopropyl]alaninate, 9Cl. **Fasidotril**, INN. Alatriopril

CAS Registry Number: 135038-57-2

Molecular Formula: C₂₃H₂₅NO₆S

Molecular Weight: 443.52

Accurate Mass: 443.140259

Percentage Composition: C 62.29%; H 5.68%; N 3.16%; O 21.64%; S 7.23%

Melting Point: Mp 104°

Optical Rotation: $[\alpha]_D^{25} -50.6$ (c, 1.3 in MeOH)

Other Data: Prodrug of alatrioprilat

References:

Eur. Pat., 1991, *Societe Civile Bioprojet*, 419 327; *CA*, **115**, 136779m, (*synth, pharmacol*)

Gros, C. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1991, **88**, 4210, (*pharmacol*)

Bralet, J. *et al.*, *J. Pharmacol. Exp. Ther.*, 1994, **270**, 8, (*alatriopril*)