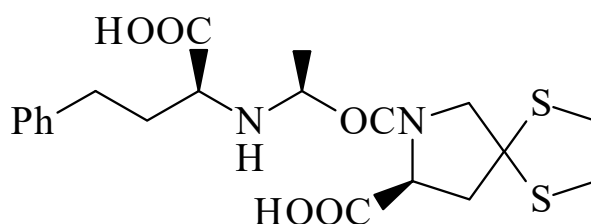




>>Entry Name: Spiraprilat, INN, USAN

Synonym(s): 7-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid. Sch 33861



CAS Registry Number: 83602-05-5

Related CAS Registry Numbers(s): 83507-87-3

Molecular Formula: $C_{20}H_{26}N_2O_5S_2$

Molecular Weight: 438.568

Accurate Mass: 438.128313

Percentage Composition: C 54.77%; H 5.98%; N 6.39%; O 18.24%; S 14.62%

Use/Importance: Angiotensin-converting enzyme (ACE) inhibitor; antihypertensive agent

Physical Description: Amorph.

Melting Point: Mp 163-165°

Optical Rotation: $[\alpha]_D^{26} +4.1$ (c, 0.4 in EtOH)

Calculated Log P Data: Log P 0.73 (calc)

>>Derivative: Maleate (2:1)

CAS Registry Number: 94799-76-5

Physical Description: Tan cryst. (MeCN)

Melting Point: Mp 124-126°

Optical Rotation: $[\alpha]_D^{26} -14.3$ (EtOH)

>>Derivative: Et ester

Synonym(s): Spirapril, BAN, INN. 7-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid, 9CI

CAS Registry Number: 83647-97-6

Molecular Formula: $C_{22}H_{30}N_2O_5S_2$

Molecular Weight: 466.621

Accurate Mass: 466.159613

Percentage Composition: C 56.63%; H 6.48%; N 6.00%; O 17.14%; S 13.74%

Use/Importance: Angiotensin-converting enzyme (ACE) inhibitor; antihypertensive agent

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D -21.3$ (c, 1.1 in Py)

Calculated Log P Data: Log P 0.66 (calc)

>>Derivative: Et ester; hydrochloride

Synonym(s): Spirapril hydrochloride, USAN. Renormax. Renpress. Sch 33844

CAS Registry Number: 94841-17-5

Physical Description: Cryst. (MeOH/MeCN)

Melting Point: Mp 192-194° (176-178°)

Optical Rotation: $[\alpha]_D^{26} -11.2$ (c, 0.4 in EtOH)

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