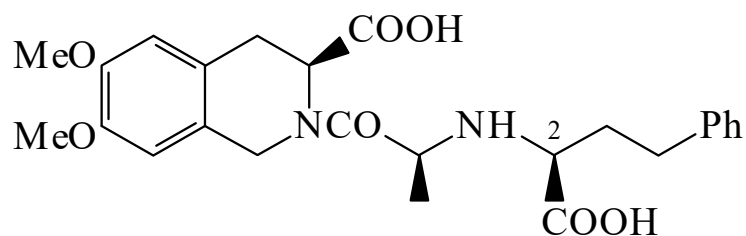




>>Entry Name: Moexiprilat, INN

Synonym(s): 2-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-3-isoquinolinecarboxylic acid, 9CI



CAS Registry Number: 103775-14-0

Related CAS Registry Numbers(s): 109715-88-0

Molecular Formula: C₂₅H₃₀N₂O₇

Molecular Weight: 470.521

Accurate Mass: 470.205303

Percentage Composition: C 63.82%; H 6.43%; N 5.95%; O 23.80%

Use/Importance: ACE inhibitor

Calculated Log P Data: Log P 1.36 (uncertain value) (calc)

>>Derivative: Hydrochloride

CAS Registry Number: 82586-57-0

Physical Description: Cryst. (THF/Et₂O)

Melting Point: Mp 145-170°

Optical Rotation: [α]_D²³ +37.8 (c, 1.1 in MeOH)

>>Derivative: 2-Et ester

Synonym(s): 2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-3-isoquinolinecarboxylic acid, 9CI. **Moexipril**, BAN, INN. Univasc. CI 925. RS 10085

CAS Registry Number: 103775-10-6

Molecular Formula: C₂₇H₃₄N₂O₇

Molecular Weight: 498.575

Accurate Mass: 498.236603

Percentage Composition: C 65.04%; H 6.87%; N 5.62%; O 22.46%

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

Development Status: Launched 1995 (US)

>>Derivative: 2-Et ester; hydrochloride

Synonym(s): **Moexipril hydrochloride**, USAN

CAS Registry Number: 82586-52-5

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 141-161°

Optical Rotation: [α]_D²³ +34.2 (c, 1.1 in EtOH)

References:

U.S. Pat., 1982, Warner-Lambert, 4 344 949; CA, **98**, 34598q, (synth, pharmacol, deriv)

Klutchko, S. et al., J. Med. Chem., 1986, **29**, 1953, (synth, pharmacol)

Gu, L. et al., Pharm. Res., 1987, **4**, 392, (props)

Friehe, H. et al., Arzneim.-Forsch., 1997, **47**, 132-144, (pharmacol, tox)

Brogden, R.N. et al., Drugs, 1998, **5**, 845-860, (rev)