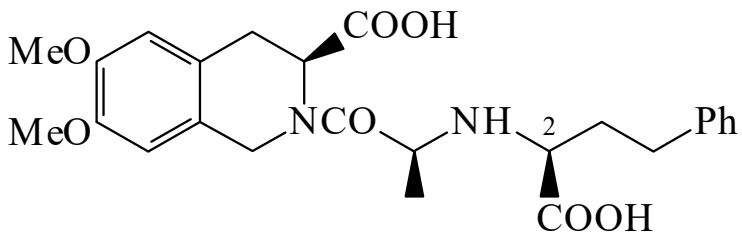
>>**Entry Name: Moexiprilat,** INN
Synonym(s): 2-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-3-isoquinolinecarboxylic acid, 9CI



CAS Registry Number: 103775-14-0
Related CAS Registry Numbers(s): 109715-88-0

Molecular Formula: $C_{25}H_{30}N_2O_7$
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/Et_2O)
Melting Point: Mp 145-170°
Optical Rotation: $[\alpha]_D^{23}$+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: $C_{27}H_{34}N_2O_7$
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/Et_2O)
Melting Point: Mp 141-161°
Optical Rotation: $[\alpha]_D^{23}$+34.2 (c, 1.1 in EtOH)

References:

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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)*