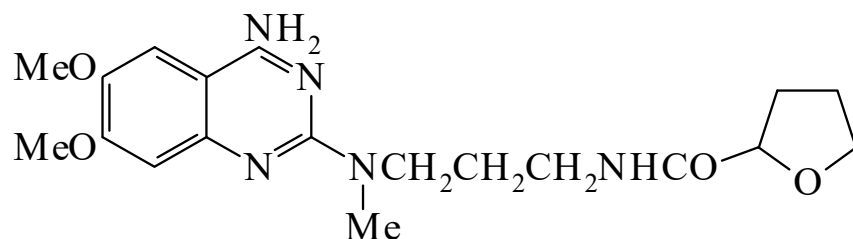




>>Entry Name: Alfuzosin, BAN, INN

Synonym(s): *N*-[3-[(4-Amino-6,7-dimethoxy-2-quinazolinyl)methylamino]propyl]tetrahydro-2-furancarboxamide, 9Cl. Alfoten. Mittoral. Urion. SL 77499. Zatral



CAS Registry Number: 81403-80-7

Related CAS Registry Numbers(s): 123739-69-5 123739-70-8

Molecular Formula: C₁₉H₂₇N₅O₄

Molecular Weight: 389.453

Accurate Mass: 389.206305

Percentage Composition: C 58.60%; H 6.99%; N 17.98%; O 16.43%

Use/Importance: α_1 -Adrenoceptor antagonist, antihypertensive agent. Used in the treatment of benign prostatic hypertrophy

Development Status: Launched 1988

Calculated Log P Data: Log P 1.29 (calc)

Other Data: Enantiomers known, both (*R*)- and (*S*)-forms have similar pharmacol activity

>>Variant: ($\pm$)-form

CAS Registry Number: 128707-53-9

Molecular Formula: C₁₉H₂₇N₅O₄

Molecular Weight: 389.453

Accurate Mass: 389.206305

Percentage Composition: C 58.60%; H 6.99%; N 17.98%; O 16.43%

>>Derivative: Hydrochloride

Synonym(s): Xatral. Alfuzosin hydrochloride, USAN. SL77449-10

CAS Registry Number: 81403-68-1

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 235 dec.° (225°)

References:

- U.S. Pat.*, 1982, *Synthelabo*, 4 315 007; *CA*, **96**, 162737e, (*synth*)
Allen, J., *J. Labelled Compd. Radiopharm.*, 1983, **20**, 1283, (*synth*)
Scott, M.G. *et al.*, *Eur. J. Clin. Pharmacol.*, 1989, **37**, 53, (*pharmacokinet*)
Rouhouse, A. *et al.*, *J. Chromatogr.*, 1990, **506**, 601, (*hplc, enantiomers*)
Lefevre-Borg, F. *et al.*, *Br. J. Pharmacol.*, 1993, **109**, 1282, (*pharmacol*)
Wilde, M.I. *et al.*, *Drugs*, 1993, **45**, 410, (*rev*)
Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 342