



Product Information

Product ID D5690

CAS No. 77883-43-3

Chemical Name 1-(4-Amino-6,7-dimethoxy-2-quinazoliny)-4-[(2,3-dihydro-1,4-benzodioxan-2-yl)carbonyl]piperazine methanesulfonate

Synonym Doxazosin Methanesulfonate, Alfadil, Benur, Cardular, Carduran, Normothen, Supressin, Zoxan

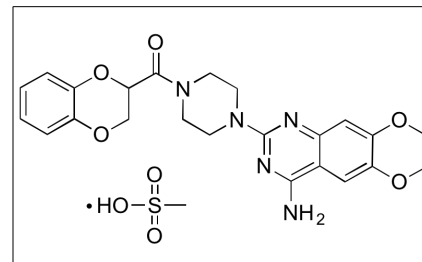
Formula C₂₃H₂₅N₅O₅ · CH₃SO₃H

Formula Wt. 547.59

Melting Point 275-277 °C

Purity ≥98%

Solubility Slightly soluble in water.



Bulk quantities available upon request

Product ID **Size**

D5690 50 mg

D5690 250 mg

D5690 1 g

Store Temp Ambient

Ship Temp Ambient

Description Doxazosin is a quinazoline α₁-adrenergic receptor inhibitor that exhibits antihypertensive and vasodilatory activities. Doxazosin is clinically used to treat hypertension and benign prostatic hyperplasia. Doxazosin induces Fas-mediated apoptosis in benign and malignant prostate cells.

References Shannon R, Chaudhry M. Effect of alpha1-adrenergic receptors in cardiac pathophysiology. Am Heart J. 2006 Nov;152(5):842-50. PMID: 17070143.

Garrison JB, Kyprianou N. Doxazosin induces apoptosis of benign and malignant prostate cells via a death receptor-mediated pathway. Cancer Res. 2006 Jan 1;66(1):464-72. PMID: 16397262.

Kyprianou N. Doxazosin and terazosin suppress prostate growth by inducing apoptosis: clinical significance. J Urol. 2003 Apr;169(4):1520-5. PMID: 12629407.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.