



LKT Laboratories, Inc.

Alfuzosin Hydrochloride

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Product Information

Product ID A4523

CAS No. 81403-68-1

Chemical Name (2RS)-N-[3-[(4-Amino-6, 7-dimethoxyquinazolin-2-yl)methylamino]propyl]tetrahydrofuran-2-carboxamide hydrochloride

Synonym

Formula C₁₉H₂₇N₅O₄ · HCl

Formula Wt. 425.91

Melting Point 229-231C

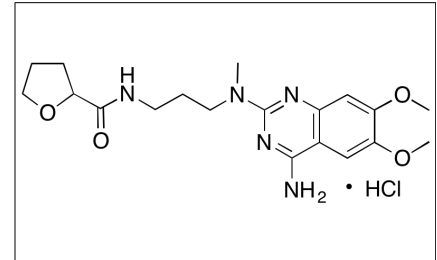
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Alfuzosin is an α₁-adrenergic receptor antagonist that is used clinically to treat benign prostatic hyperplasia (BPH); it relaxes prostatic smooth muscle and increases the urinary flow rate. Alfuzosin also delays cardiac repolarization by increasing the Na⁺ current. This compound prolongs action potential duration and the QT interval in vivo by increasing the probability of hNa(v)1.5 channel openings and burst duration.



Bulk quantities available upon request

Product ID	Size
A4523	100 mg
A4523	500 mg
A4523	1 g

References Lacerda AE, Kuryshev YA, Chen Y, et al. Alfuzosin delays cardiac repolarization by a novel mechanism. *J Pharmacol Exp Ther.* 2008 Feb;324(2):427-33. PMID: 17986649.

Lee M. Alfuzosin hydrochloride for the treatment of benign prostatic hyperplasia. *Am J Health Syst Pharm.* 2003 Jul 15;60(14):1426-39. Erratum in: *Am J Health Syst Pharm.* 2004 Mar 1;61(5):437. PMID: 12892027.

Dutkiewics S. Efficacy and tolerability of drugs for treatment of benign prostatic hyperplasia. *Int Urol Nephrol.* 2001;32(3):423-32. PMID: 11583366.

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