



LKT Laboratories, Inc.

Terazosin Hydrochloride Dihydrate

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Product Information

Product ID T1670

CAS No. 70024-40-7

Chemical Name 1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(tetrahydro-2-furoyl)piperazine monohydrochloride dihydrate

Synonym Heitrin, Hytracin, Hytrin, Hytrinex, Itrin, Urodie, Vasocard

Formula C₁₉H₂₅N₅O₄ • HCl • 2H₂O

Formula Wt. 459.93

Melting Point 271-274°C

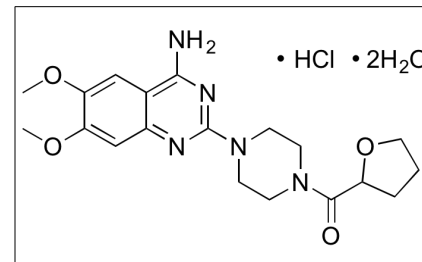
Purity ≥98%

Solubility Soluble in water (<1 mg/mL), DMSO (25 mg/mL), ethanol (<1 mg/mL), methanol, chloroform.

Store Temp Ambient

Ship Temp Ambient

Description Terazosin is a quinazoline compound that inhibits α₁-adrenergic receptors, exhibiting antihypertensive, anti-metastatic, and anticancer activities. Terazosin is clinically used to treat benign prostatic hyperplasia (BPH) and hypertension. In prostate cells, terazosin increases activation of caspase 3 and induces apoptosis. In prostate cancer cells, this compound induces apoptosis and inhibits cellular proliferation, invasion, and migration. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T1670	50 mg	\$74.90
T1670	250 mg	\$296.70
T1670	1 g	\$869.00

References Oelke M, Gericke A, Michel MC. Cardiovascular and ocular safety of α₁-adrenoceptor antagonists in the treatment of male lower urinary tract symptoms. *Expert Opin Drug Saf.* 2014 Sep;13(9):1187-97. PMID: 25073735.

Papadopoulos G, Vlachodimitropoulos D, Kyroudi A, et al. Terazosin treatment induces caspase-3 expression in the rat ventral prostate. *J Clin Med Res.* 2013 Apr;5(2):127-31. PMID: 23518907.

Tahmatzopoulos A, Rowland RG, Kyprianou N. The role of alpha-blockers in the management of prostate cancer. *Expert Opin Pharmacother.* 2004 Jun;5(6):1279-85. PMID: 15163273.

Tomoda F, Takata M, Yoshida K, et al. Hemodynamic and endocrinological effects of a new selective alpha 1-blocking agent, terazosin, in patients with essential hypertension. Results of long-term treatment. *Am J Hypertens.* 1989 Nov;2(11 Pt 1):834-9. PMID: 2574044.

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