

Product Name: Terazosin hydrochloride

Catalog No.: 1506

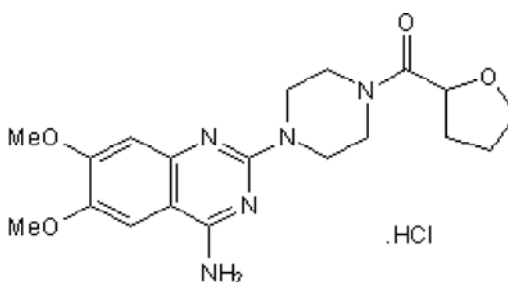
Batch No.: 1

CAS Number: 63074-08-8

IUPAC Name: 1-(4-Amino-6,7-dimethoxy-2-quinazoliny)-4-[(tetrahydro-2-furanyl)carbonyl]-piperazine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₅N₅O₄.HCl.2H₂O
Batch Molecular Weight: 459.93
Physical Appearance: White solid
Solubility: water to 50 mM with gentle warming
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.56 (Dichloromethane:Methanol:Ammonia soln. [9:1:0.1])
Melting Point: Between 295 - 296°C
HPLC: Shows >99.7% purity
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	49.62	6.57	15.23
Found	49.52	6.69	14.99

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Terazosin hydrochloride

Catalog No.: 1506

Batch No.: 1

CAS Number: 63074-08-8

IUPAC Name: 1-(4-Amino-6,7-dimethoxy-2-quinazoliny)-4-[(tetrahydro-2-furanyl)carbonyl]-piperazine hydrochloride

Description:

Terazosin hydrochloride is a α_1 - and α_{2B} -adrenoceptor antagonist (K_i values are 3.3, 0.7, 1.1, 7.7, 1510 and 78.2 nM for α_{1A} , α_{1B} , α_{1D} , α_{2B} , α_{2A} and α_{2C} receptors respectively). Antihypertensive following oral or intravenous administration in vivo.

Physical and Chemical Properties:

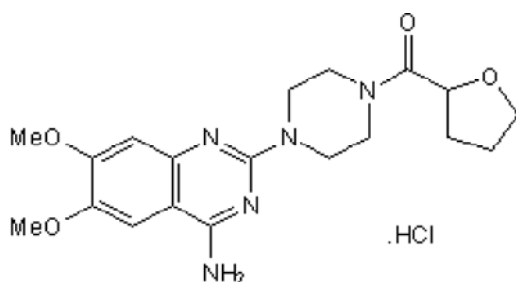
Batch Molecular Formula: C₁₉H₂₅N₅O₄.HCl.2H₂O

Batch Molecular Weight: 459.93

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 50 mM with gentle warming

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Hancock et al (1995) Actions of tera. and its enantiomers at subtypes of α_1 - and α_2 -adrenoceptors *in vitro*. J.Recept.Signal Transduct.Res. **15** 863. PMID: 8673721.

Maruyama et al (1994) Comparison of displacemental potencies of tera. enantiomers for α_1 -adrenoceptor subtypes. Biol.Pharm.Bull. **17** 1126. PMID: 7820122.

Kyncl (1986) Pharmacology of tera. Am.J.Med. **80** 12. PMID: 2872801.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956