



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION



Doxazosin (mesylate)

Item No. 18633

CAS Registry No.: 77883-43-3

Formal Name: [4-(4-amino-6,7-dimethoxy-2-quinazolinyl)-1-piperazinyl] (2,3-dihydro-1,4-benzodioxin-2-yl)-methanone, monomethanesulfonate

Synonym: UK 33274-27

MF: $C_{23}H_{25}N_5O_5 \cdot CH_3SO_3H$

FW: 547.6

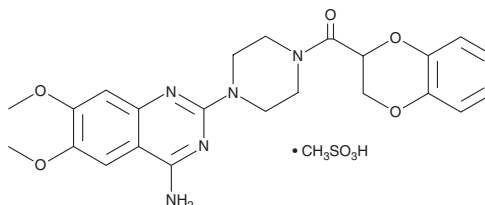
Purity: $\geq 98\%$

UV/Vis.: λ_{max} : 247, 330 nm

Supplied as: A crystalline solid

Storage: $-20^\circ C$

Stability: ≥ 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Doxazosin (mesylate) is supplied as a crystalline solid. A stock solution may be made by dissolving the doxazosin (mesylate) in the solvent of choice. Doxazosin (mesylate) is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of doxazosin (mesylate) in these solvents is approximately 2 and 0.5 mg/ml, respectively.

Doxazosin (mesylate) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, doxazosin (mesylate) should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Doxazosin (mesylate) has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Doxazosin is a non-selective antagonist of α_1 -adrenergic receptors (α_1 -ARs; K_i s = 3.16, 1, and 3.98 nM for α_{1A} , α_{1B} , and α_{1D} -ARs, respectively).¹ It inhibits norepinephrine-induced contractions in isolated rat aorta rings and human prostate strips with pA_2 values of 8.8 and 8.2, respectively. Doxazosin inhibits phenylephrine-induced increases in blood pressure and prostatic pressure in anesthetized dogs (pA_2 = 7.5 for both). Formulations containing doxazosin have been used in the treatment of benign prostatic hyperplasia and hypertension.

Reference

1. Jardin, A., Bensadoun, H., Delauche-Cavallier, M.C., et al. Alfuzosin for treatment of benign prostatic hypertrophy. Lancet 337, 1457-1461 (1991).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 07/07/2020

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM