

Product Information

Doxazosin mesylate

Cat. No.: X23-12-YM450

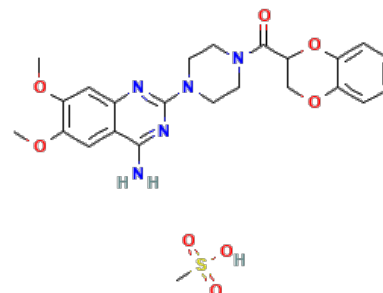
Size: 500 mg; 1000 mg; 1500 mg; 2000 mg

CAS Number: 77883-43-3

PubChem CID: 62978

Synonym: 77883-43-3; Cardura; Carduran; Cardular

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Doxazosin mesylate, soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets α 1-adrenergic receptor.
Molecular Weight	547.58
Molecular Formula	$C_{23}H_{25}N_5O_5 \cdot CH_3SO_3H; C_{24}H_{29}N_5O_8S$
Targets	α 1-Adrenergic receptor
IUPAC Name	[4-(4-Amino-6, 7-dimethoxyquinazolin-2-yl)piperazin-1-yl]-(2, 3-dihydro-1, 4-benzodioxin-3-yl)methanone;methanesulfonic acid
InChI	InChI=1S/C23H25N5O5.CH4O3S/c1-30-18-11-14-15(12-19(18)31-2)25-23(26-21(14)24)28-9-7-27(8-10-28)22(29)20-13-32-16-5-3-4-6-17(16)33-20;1-5(2, 3)4/h3-6, 11-12, 20H, 7-10, 13H2, 1-2H3, (H2, 24, 25, 26);1H3, (H, 2, 3, 4)
InChI Key	VJECBOKJABCYMF-UHFFFAOYSA-N
Canonical SMILES	<chem>COC1=C(C=C2C(=C1)C(=NC(=N2)N3CCN(CC3)C(=O)C4COC5=CC=CC=C5O4)N)OC.CS(=O)(=O)O</chem>
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 14 mg/mL (25.56 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Doxazosin mesylate can be used to help reduce the risk of heart attacks, strokes, and other cardiovascular complications.



Storage

Store at -20°C, and keep desiccated.
