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DATASHEET

Prazosin hydrochloride

Product overview

Name	Prazosin hydrochloride
Cat No	HB2767
Biological action	Antagonist
Purity	>99%
Description	α_1 and α_2 adrenoceptor antagonist

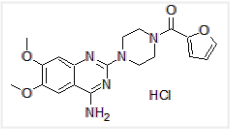
Biological Data

Biological description	α_1 and α_2 adrenoceptor antagonist (K_i values are 0.32, 0.19 and 0.27 nM respectively). Also shows selective activity at MT_3 melatonin receptor. Shows variety of biological actions.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (25mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	1-(4-Amino-6,7-dimethoxy-2-quinazol inyl)-4-(2-furanylcarbonyl)piperazine hydrochloride
Molecular Weight	419.87
Chemical structure	
Molecular Formula	$C_{19}H_{21}N_5O_4.HCl$
CAS Number	19237-84-4
PubChem identifier	68546
SMILES	COC1=C(C=C2C(=C1)C(=NC(=N2)N3CCN(CC3)C(=O)C4=CC=CO4)N)OC.Cl
InChi	InChI=1S/C19H21N5O4.ClH/c1-26-15-10-12-13(11-16(15)27-2)21-19(22-17(12)20)24-7-5-23(6-8-24)18(25)14-4-3-9-28-14;/h3-4,9-11H,5-8H2,1-2H3,(H2,20,21,22);1H
InChiKey	WFXFYZULCQKPIP-UHFFFAOYSA-N
MDL number	MFCD00058177

References

Prazosin Inhibits MK-801-induced Hyperlocomotion and Dopamine Release in the Nucleus Accumbens

Mathe et al (1996) Eur J Pharmacol 309(1)
PubMedID 8864686

Pharmacological Characterization of Melatonin Binding Sites in Syrian Hamster Hypothalamus

Pickering and Niles (1990) Eur J Pharmacol 175(1)
PubMedID 2157597

The Pharmacology of Prazosin, a Novel Antihypertensive Agent

Cavero (1980) Life Sci 27(17)
PubMedID 6255278