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DATASHEET

Ranitidine hydrochloride

Product overview

Name	Ranitidine hydrochloride
Cat No	HB2630
Biological action	Antagonist
Purity	>99%
Description	Potent, selective, competitive H_2 receptor antagonist

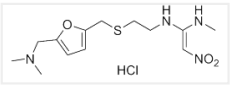
Biological Data

Biological description	Potent, selective and competitive H_2 receptor antagonist (K_i = 0.14 µM). Decreases the secretion of gastric acid and pepsin. Shows antioxidant, antinociceptive and hepatoprotective actions.

Solubility & Handling

Storage instructions	+4°C (desiccate)
Solubility overview	Soluble in water (50 mM)
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	*N*-[2-[[[5-[(Dimethylamino)methyl]-2 -furanyl]methyl]thio]ethyl]-*N*'-methyl-2-nitro-1,1-e thanediamine hydrochloride
Molecular Weight	350.86
Chemical structure	
Molecular Formula	$C_{13}H_{22}N_4O_3S.HCl$
CAS Number	66357-59-3
PubChem identifier	3033332
SMILES	CN/C(=C\[N+](=O)[O-])/NCCSCC1=CC=C(O1)CN(C)C.Cl
InChi	InChI=1S/C13H22N4O3S.ClH/c1-14-13(9-17(18)19)15-6-7-21-10-12-5-4-11(20-12)8-16(2)3;/h4-5,9,14-15H,6-8,10H2,1-3H3;1H/b13-9+;
InChiKey	GGWBHVILAJZWKJ-KJEVSKRMSA-N
MDL number	MFCD00069339