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DATASHEET

Histamine dihydrochloride

Product overview

Name	Histamine dihydrochloride
Cat No	HB2803
Biological action	Agonist
Purity	>99%
Description	Endogenous histamine receptor agonist

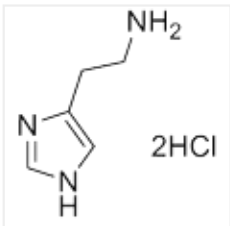
Biological Data

Biological description	Endogenous histamine receptor agonist. Shows vasodilatory, bronchoconstrictory, immunomodulatory, anti-tumor and cytoprotective actions.
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Solubility & Handling

Storage instructions	Room temperature (desiccate)
Solubility overview	Soluble in water (100 mM) and in DMSO (100 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	2-(1H-imidazol-5-yl)ethanamine dihydrochloride
Molecular Weight	184.07
Chemical structure	 The chemical structure shows an imidazole ring with a 2-ethylamino group (-CH2-CH2-NH2) attached at the 5-position. The structure is labeled as 2HCl, indicating it is a dihydrochloride salt.
Molecular Formula	C ₅ H ₉ N ₃ ·2HCl
CAS Number	56-92-8
PubChem identifier	5818
SMILES	C1=C(NC=N1)CCN.Cl.Cl
InChi	InChI=1S/C5H9N3.2ClH/c6-2-1-5-3-7-4-8-5;/h3-4H,1-2,6H2,(H,7,8);2*1H
InChiKey	PPZMYIBUHIPZOS-UHFFFAOYSA-N
MDL number	MFCD00012703

References

Histamine and its receptors.

Parsons ME *et al* (2006) Br J Pharmacol 147 Suppl 1

PubMedID [16402096](#)

Histamine dihydrochloride protects against early alcohol-induced liver injury in a rat model.

Hornyak SC *et al* (2003) *Inflammation* 27(5)

PubMedID [14635789](#)

Monotherapy with histamine dihydrochloride suppresses in vivo growth of a rat sarcoma in liver and subcutis.

Rizell M *et al* (2002) *Anticancer Res* 22(4)

PubMedID [12174868](#)
