**Product overview**

**Name**
Histamine dihydrochloride

**Cat No**
HB2803

**Short description**
Endogenous histamine receptor agonist

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

**Biological action**
Agonist

**Properties**

**Chemical name**
2-(1H-imidazol-5-yl)ethanamine dihydrochloride

**Molecular Weight**
184.07

**Chemical structure**

![Chemical structure of Histamine dihydrochloride](image)

**Molecular Formula**
C₅H₉N₃.2HCl

**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

**Storing and Using Your Product**

**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.

**References for Histamine dihydrochloride**

**Histamine and its receptors.**


**PubMedID:**
16402096
Histamine dihydrochloride protects against early alcohol-induced liver injury in a rat model.
PubMedID: 14635789

Monotherapy with histamine dihydrochloride suppresses in vivo growth of a rat sarcoma in liver and subcutis.
PubMedID: 12174868