

Certificate of Analysis

Product Name: 2-Pyridylethylamine dihydrochloride

Catalog No.: 2478

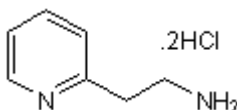
Batch No.: 2

CAS Number: 3343-39-3

IUPAC Name: 2-Pyridineethanamine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₁₀N₂.2HCl
Batch Molecular Weight: 195.09
Physical Appearance: Off-white solid
Solubility: water to 100 mM
DMSO to 50 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.59 (Dichloromethane:Methanol:Ammonia soln. [1:1:0.1])
HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	43.1	6.2	14.36
Found	43.08	6.16	14.09

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Catalog No.: 2478

Batch No.: 2

CAS Number: 3343-39-3

IUPAC Name: 2-Pyridineethanamine dihydrochloride

Description:

Histamine H₁ receptor agonist that produces vasoconstriction in vivo.

Physical and Chemical Properties:

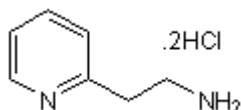
Batch Molecular Formula: C₇H₁₀N₂.2HCl

Batch Molecular Weight: 195.09

Physical Appearance: Off-white solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 100 mM

DMSO to 50 mM

CAUTION - This compound is extremely hygroscopic and we recommend that it is desiccated upon arrival.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Martinez-Mir et al (1992) Effect of histamine and histamine analogues on human isolated myometrial strips. *Br.J.Pharmacol.* **107** 528. PMID: 1358393.

Arai and Chiba (1999) Endothelium-dependent vasodilation mechanisms by histamine in simian but not in canine femoral arterial branches. *J.Auton.Pharmacol.* **19** 267. PMID: 10759332.

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