

Certificate of Analysis

Product Name: Antazoline hydrochloride

Catalog No.: 0791

Batch No.: 1

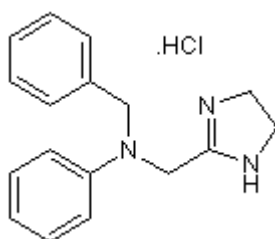
CAS Number: 2508-72-7

EC Number: 219-719-8

IUPAC Name: 4,5-Dihydro-N-phenyl-N-(phenylmethyl)-1H-imidazole-2-methanamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₉N₃·HCl
Batch Molecular Weight: 301.82
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.59	6.63	13.92
Found	67.81	6.83	13.72

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

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Description:

Imidazoline binding site ligand; a potent inducer of insulin secretion in rat pancreas. Also an antihistamine.

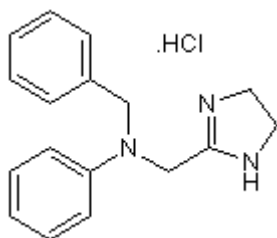
Physical and Chemical Properties:

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Storage: Store at RT

Solubility & Usage Info:

water to 100 mM

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:

Merck Index 11 709.

Berdeu et al (1995) Evidence for two different imidazoline sites on pancreatic B cells and vascular bed in rat. *Eur.J.Pharmacol.* **275** 91. PMID: 7774667.

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