

Product Name: Loratidine

Catalog No.: 1944

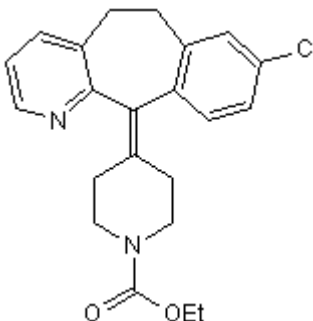
Batch No.: 1

CAS Number: 79794-75-5

IUPAC Name: 4-(8-Chloro-5,6-dihydro-11*H*-benzo[5,6]cyclohepta[1,2-*b*]pyridin-11-ylidene)-1-piperidinecarboxylic acid ethyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₃ClN₂O₂
Batch Molecular Weight: 382.88
Physical Appearance: White solid
Solubility: DMSO to 25 mM
 ethanol to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.39 (Ethyl acetate:Petroleum ether [1:1])
Melting Point: At 142°C
HPLC: Shows >99.8% purity
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	69.01	6.05	7.32
Found	69.01	6.06	7.28

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

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Description:

Peripheral histamine H₁ receptor antagonist (K_i = 35 nM); devoid of central effects. Orally active antiallergic agent.

Physical and Chemical Properties:

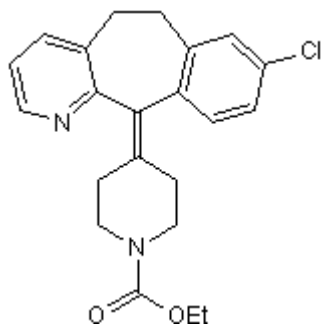
Batch Molecular Formula: C₂₂H₂₃ClN₂O₂

Batch Molecular Weight: 382.88

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 25 mM

ethanol 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:

Barnett et al (1984) Evaluation of the CNS properties of SCH 29851, a potential non-sedating antihistamine. *Agents Actions* **14** 590. PMID: 6236679.

Ahn and Barnett (1986) Selective displacement of [³H]mepyramine from peripheral vs. central nervous system receptors by loratidine, a non-sedating antihistamine. *Eur.J.Pharmacol.* **127** 153. PMID: 2875889.

Kreutner et al (1987) Antiallergic activity of loratidine, a non-sedating antihistamine. *Allergy* **42** 57. PMID: 2436504.

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