

Product Name: SR 57227 hydrochloride

Catalog No.: 1205

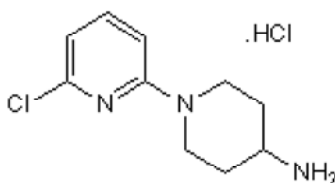
Batch No.: 5

CAS Number: 77145-61-0

IUPAC Name: 1-(6-Chloro-2-pyridinyl)-4-piperidinamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₀H₁₄ClN₃.HCl
Batch Molecular Weight: 248.15
Physical Appearance: Off-white solid
Solubility: water to 100 mM
DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	48.4	6.09	16.93
Found	48.29	6.11	17.04

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

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Description:

A high affinity, selective 5-HT₃ receptor agonist, active in vivo and CNS penetrant.

Physical and Chemical Properties:

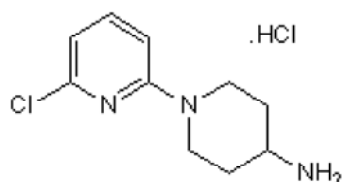
Batch Molecular Formula: C₁₀H₁₄ClN₃.HCl

Batch Molecular Weight: 248.15

Physical Appearance: Off-white solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 100 mM

DMSO 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:

Edwards et al (1996) 5-HT₃-like receptors in the rat medial prefrontal cortex: further pharmacological characterization. *Brain Res.* **733** 21. PMID: 8891244.

Bachy et al (1993) SR 57227A: a potent and selective agonist at central and peripheral 5-HT₃ receptors in vitro and in vivo. *Eur.J.Pharmacol.* **237** 299. PMID: 7689975.

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