

**Product Name:** SR 57227 hydrochloride

**Catalog No.:** 1205

**Batch No.:** 3

CAS Number: 77145-61-0

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

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>10</sub>H<sub>14</sub>ClN<sub>3</sub>.HCl

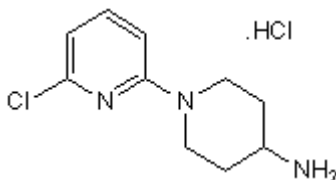
**Batch Molecular Weight:** 248.15

**Physical Appearance:** Off White solid

**Solubility:** water to 50 mM  
DMSO to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.04 (Ethyl acetate:Petroleum ether [9:1])

**HPLC:** Shows 99.7% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	48.4	6.09	16.93
Found	48.28	6.1	16.83

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**Description:**

A high affinity, selective 5-HT<sub>3</sub> receptor agonist, active in vivo and CNS penetrant.

**Physical and Chemical Properties:**

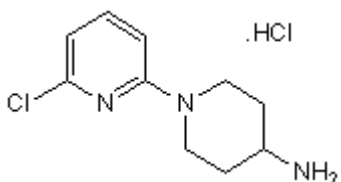
Batch Molecular Formula: C<sub>10</sub>H<sub>14</sub>ClN<sub>3</sub>.HCl

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 50 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:**

**Bachy et al** (1993) SR 57227A: a potent and selective agonist at central and peripheral 5-HT<sub>3</sub> receptors in vitro and in vivo. *Eur.J.Pharmacol.* **237** 299. PMID: 7689975.

**Edwards et al** (1996) 5-HT<sub>3</sub>-like receptors in the rat medial prefrontal cortex: further pharmacological characterization. *Brain Res.* **733** 21. PMID: 8891244.

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