

## Certificate of Analysis

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**Product Name:** RS 23597-190 hydrochloride

**Catalog No.:** 0728

**Batch No.:** 2

CAS Number: 149719-06-2

IUPAC Name: 3-(Piperidin-1-yl)propyl 4-amino-5-chloro-2-methoxybenzoate hydrochloride

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>16</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>3</sub>.HCl

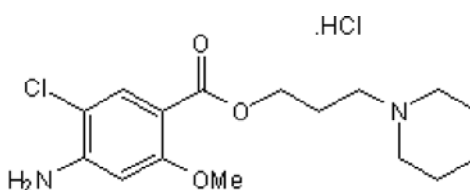
**Batch Molecular Weight:** 363.28

**Physical Appearance:** White solid

**Solubility:** water to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.23 (Dichloromethane:Methanol [95:5])

**Melting Point:** Between 207 - 209°C

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

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	52.9	6.66	7.71
Found	52.61	6.69	7.56

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

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**2**

CAS Number: 149719-06-2

IUPAC Name: 3-(Piperidin-1-yl)propyl 4-amino-5-chloro-2-methoxybenzoate hydrochloride

**Description:**

RS 23597-190 hydrochloride is a high affinity, selective competitive antagonist at 5-HT<sub>4</sub> receptors.

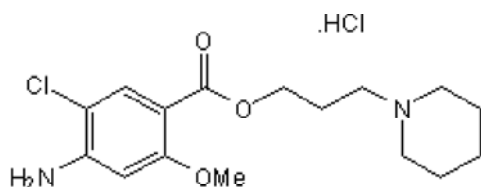
**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>16</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>3</sub>.HCl

Batch Molecular Weight: 363.28

Physical Appearance: White solid

**Batch Molecular Structure:**



**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.

**Licensing Information:**

Sold with the permission of Roche Bioscience

**References:**

Eglen *et al* (1995) Central 5-HT<sub>4</sub> receptors. *TIPS* **16** 391. PMID: 8578609.

Eglen *et al* (1993) RS 23597-190: a potent and selective 5-HT<sub>4</sub> receptor antagonist. *Br.J.Pharmacol.* **110** 119. PMID: 8220871.

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