

## Certificate of Analysis

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**Product Name:** SB 203186 hydrochloride

**Catalog No.:** 0785

**Batch No.:** 2

**CAS Number:** 207572-69-8

**IUPAC Name:** 1-Piperidinyethyl-1*H*-indole-3-carboxylate hydrochloride

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>16</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>·HCl·½H<sub>2</sub>O

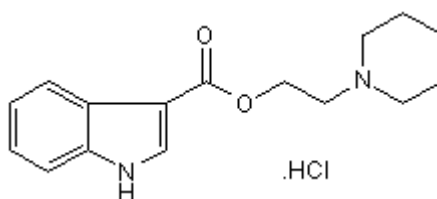
**Batch Molecular Weight:** 317.82

**Physical Appearance:** White solid

**Solubility:** water to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.25 (Chloroform:Methanol [9:1])

**Melting Point:** Between 162 - 165°C

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

**Microanalysis:**

	Carbon Hydrogen Nitrogen			
Theoretical	60.47	6.81	8.81	0 0 0
Found	60.56	6.97	8.56	0 0 0

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

## Product Information

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**Product Name:** SB 203186 hydrochloride

**Catalog No.:** 0785

**Batch No.:** 2

**CAS Number:** 207572-69-8

**IUPAC Name:** 1-Piperidinyloethyl-1*H*-indole-3-carboxylate hydrochloride

### Description:

Potent 5-HT<sub>4</sub> receptor antagonist with high affinity for human atrial 5-HT<sub>4</sub> receptors.

### Physical and Chemical Properties:

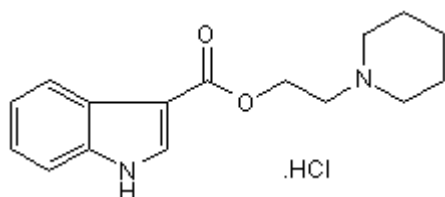
Batch Molecular Formula: C<sub>16</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>.HCl.½H<sub>2</sub>O

Batch Molecular Weight: 317.82

Physical Appearance: White solid

**Minimum Purity:** >99%

### 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.

### References:

**Midhurst and Kaumann *et al*** (1993) Characterisation of 5-HT<sub>4</sub> receptor mediating tachycardia in piglet isolated right atrium. *Br.J.Pharmacol.* **110** 1023. PMID: 8298790.

**Parker *et al*** (1995) Blockade of human and porcine myocardial 5-HT<sub>4</sub> receptors by SB 203186. *Naunyn Schmiedebergs Arch.Pharmacol.* **353** 28. PMID: 8750913.

**McLean and Coupar** (1995) 5-HT<sub>4</sub> receptor antagonist affinities of SB207710, SB205008 and SB 203186 in the human colon, rat oesophagus and guinea-pig ileum peristaltic reflex. *Naunyn Schmiedebergs Arch.Pharmacol.* **352** 132. PMID: 747435.

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