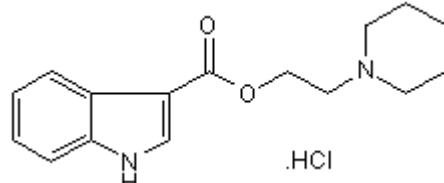


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** SB 203186 hydrochloride**Catalog No.:** 0785**Batch No.:** 4

CAS Number: 207572-69-8

IUPAC Name: 1-Piperidinylethyl-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**Batch Molecular Weight:** 308.81**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 179 - 180°C**HPLC:** Shows >99.7% purity**<sup>1</sup>H NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

	Theoretical	61.34	6.91	8.94	0 0 0
Found		61.31	6.93	8.8	0 0 0

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

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# Product Information

[www.tocris.com](http://www.tocris.com)**Product Name:** SB 203186 hydrochloride**Catalog No.:** 0785**Batch No.:** 4

CAS Number: 207572-69-8

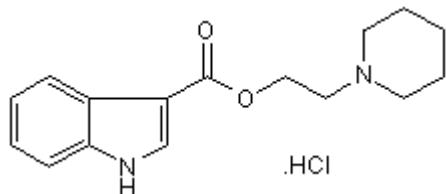
IUPAC Name: 1-Piperidinylethyl-1*H*-indole-3-carboxylate hydrochloride**Description:**

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

Batch Molecular Weight: 308.81

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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