

Certificate of Analysis

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Product Name: SB 203186 hydrochloride

Catalog No.: 0785

Batch No.: 4

CAS Number: 207572-69-8

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₂₀N₂O₂·HCl

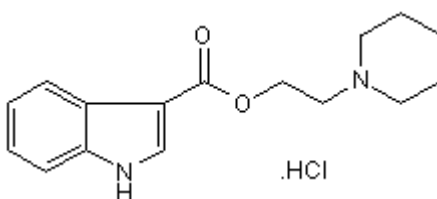
Batch Molecular Weight: 308.81

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.25 (Chloroform:Methanol [9:1])

Melting Point: Between 179 - 180°C

HPLC: Shows >99.7% purity

¹H 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

Product Information

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Product Name: SB 203186 hydrochloride

Catalog No.: 0785

Batch No.: 4

CAS Number: 207572-69-8

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

Description:

Potent 5-HT₄ receptor antagonist with high affinity for human atrial 5-HT₄ receptors.

Physical and Chemical Properties:

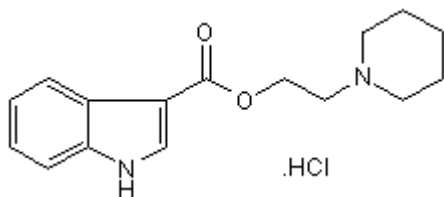
Batch Molecular Formula: C₁₆H₂₀N₂O₂.HCl

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-HT₄ 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-HT₄ receptors by SB 203186. *Naunyn Schmiedebergs Arch.Pharmacol.* **353** 28. PMID: 8750913.

McLean and Coupar (1995) 5-HT₄ 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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