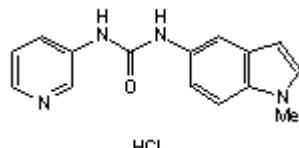


Certificate of Analysiswww.tocris.com**Product Name:** SB 200646 hydrochloride**Catalog No.:** 1371**Batch No.:** 4**CAS Number:** 143797-62-0**IUPAC Name:** *N*-(1-Methyl-1*H*-indol-5-yl)-*N*-3-pyridinylurea**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₅H₁₄N₄O.HCl.½H₂O**Batch Molecular Weight:** 311.77**Physical Appearance:** Fawn solid**Solubility:** DMSO to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.45 (Dichloromethane:Methanol:Ammonia soln. [9:1:0.1])**Melting Point:** Between 177 - 180°C**HPLC:** Shows >98.3% purity**¹H NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

	Theoretical	57.79	5.17	17.97	0 0 0
Found		57.55	4.99	17.94	0 0 0

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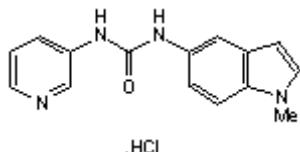
Product Name: SB 200646 hydrochloride**Catalog No.:** 1371**Batch No.:** 4**CAS Number:** 143797-62-0**IUPAC Name:** N-(1-Methyl-1*H*-indol-5-yl)-*N*-3-pyridinylurea**Description:**

5-HT_{2C/2B} receptor antagonist, selective over 5-HT_{1A}. Affinities are 7.4 (pA₂), 6.9 (pK_i) and 5.2 (pK_i) for 5-HT_{2B}, _{2C} and _{2A} respectively. Orally active in vivo.

Physical and Chemical Properties:Batch Molecular Formula: C₁₅H₁₄N₄O.HCl.½H₂O

Batch Molecular Weight: 311.77

Physical Appearance: Fawn solid

Minimum Purity: >98%**Batch Molecular Structure:****Storage:** Store at RT**Solubility & Usage Info:**

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:

- Forbes et al** (1993) *N*-(1-Methyl-5-indolyl)-*N*'-(3-pyridyl)urea hydrochloride: the first selective 5-HT_{1C} receptor antagonist. *J.Med.Chem.* **36** 1104. PMID: 8478907.
- Kennett et al** (1994) *In vivo* properties of SB 200646A, a 5-HT_{2C/2B} receptor antagonist. *Br.J.Pharmacol.* **111** 797. PMID: 7912626.
- Kennett et al** (1995) Effect of SB 200646A, a 5-HT_{2C}/5-HT_{2B} receptor antagonist, in two conflict models of anxiety. *Psychopharmacology (Berl.)* **118** 178. PMID: 7617805.

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