

**Product Name:** BW 723C86 hydrochloride

**Catalog No.:** 1059

**Batch No.:** 3

CAS Number: 160521-72-2

IUPAC Name:  $\alpha$ -methyl-5-(2-thienylmethoxy)-1*H*-indole-3-ethanamine hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>OS.HCl

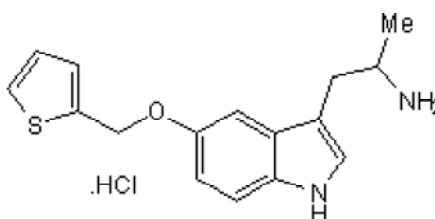
**Batch Molecular Weight:** 322.85

**Physical Appearance:** Cream solid

**Solubility:** DMSO to 100 mM

**Storage:** Desiccate at +4°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.1 (Dichloromethane:Methanol [10:1])

**Melting Point:** Between 204 - 205°C

**HPLC:** Shows >99.4% purity

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

**Microanalysis:**

|             | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 59.52  | 5.93     | 8.68     |
| Found       | 59.32  | 5.99     | 8.5      |

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

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**Description:**

Selective 5-HT<sub>2B</sub> receptor agonist.

**Physical and Chemical Properties:**

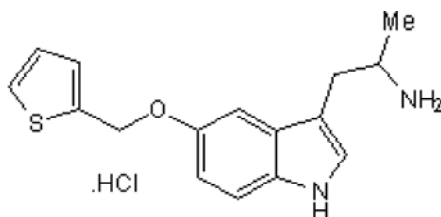
Batch Molecular Formula: C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>OS.HCl

Batch Molecular Weight: 322.85

Physical Appearance: Cream solid

**Minimum Purity:** ≥99%

**Batch Molecular Structure:**



**Storage:** Desiccate at +4°C

**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.

**Other Information:**

**INFORMATION FOR CUSTOMERS IN THE UK ONLY**

This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

**References:**

**Niebert *et al*** (2011) Expression and function of serotonin 2A and 2B receptors in the mammalian respiratory network. *PLoS One* **6** e21395. PMID: 21789169.

**Kennett *et al*** (1998) Anxiolytic-like actions of BW 723C86 in the rat Vogel conflict test are 5-HT<sub>2B</sub> receptor mediated. *Neuropharmacology* **37** 1603. PMID: 9886683.

**Duxon *et al*** (1997) Activation of 5-HT<sub>2B</sub> receptors in the medial amygdala causes anxiolysis in the social interaction test in the rat. *Neuropharmacology* **36** 601. PMID: 9225285.

**Kennett *et al*** (1997) BW 723C86, a 5-HT<sub>2B</sub> receptor agonist, causes hyperphagia and reduced grooming in rats. *Neuropharmacology* **36** 233. PMID: 9144661.

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