

## Certificate of Analysis

**Product Name:** 1-Methylpsilocin

**Catalog No.:** 3017

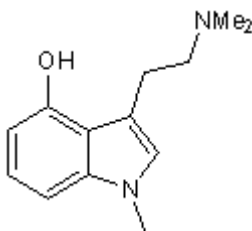
**Batch No.:** 2

CAS Number: 1465-16-3

IUPAC Name: 3-[2-(Dimethylamino)ethyl]-1-methylindol-4-ol

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O  
**Batch Molecular Weight:** 218.29  
**Physical Appearance:** Brown solid  
**Solubility:** DMSO to 100 mM  
ethanol to 10 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Melting Point:** Between 125 - 127°C  
**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	71.53	8.31	12.83
Found	71.35	8.32	12.75

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

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**Description:**

Potent and selective 5-HT<sub>2C</sub> agonist (IC<sub>50</sub> values are 12 and 633 nM for 5-HT<sub>2C</sub> and 5-HT<sub>2A</sub> receptors respectively). Displays high affinity for the 5-HT<sub>2B</sub> receptor (K<sub>i</sub> = 38 nM) but acts as an inverse agonist. Active in vivo; inhibits scratching in a mouse model of OCD.

**Physical and Chemical Properties:**

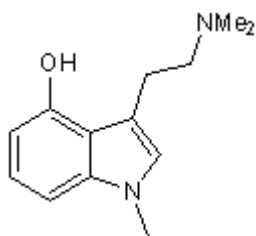
Batch Molecular Formula: C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O

Batch Molecular Weight: 218.29

Physical Appearance: Brown solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**References:**

**Sard et al** (2005) SAR of psilocybin analogs: discovery of a selective 5-HT<sub>2C</sub> agonist. *Bioorg.Med.Chem.Letts.* **15** 4559.

**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 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.

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