

**Product Name:** BGC 20-761

**Catalog No.:** 3326

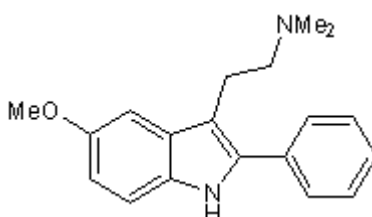
**Batch No.:** 1

**CAS Number:** 17375-63-2

**IUPAC Name:** 5-Methoxy-*N,N*-dimethyl-2-phenyl-1*H*-indole-3-ethanamine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>O.H<sub>2</sub>O  
**Batch Molecular Weight:** 312.41  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 50 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.3 (Ethyl acetate:Petroleum ether [3:17])  
**HPLC:** Shows 98.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	73.05	7.74	8.97
Found	73.18	8.07	8.85

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**Description:**

Selective, high affinity 5-HT<sub>6</sub> antagonist ( $K_i = 20$  nM).  
Reverses the amnesic effects of scopolamine (Cat. No. 1414) and enhances memory consolidation in a rat model.

**Physical and Chemical Properties:**

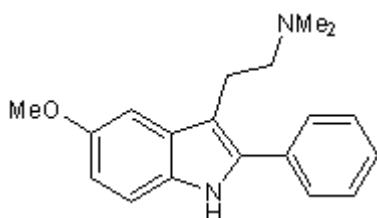
Batch Molecular Formula: C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>O.H<sub>2</sub>O

Batch Molecular Weight: 312.41

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM  
ethanol to 50 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:**

**Glennon *et al* (2000)** 2-substituted tryptamines: agents with selectivity for 5-HT<sub>6</sub> serotonin receptors. *J.Med.Chem.* **43** 1011. PMID: 10715164.

**Mitchell *et al* (2006)** BGC20-761, a novel tryptamine analog, enhances memory consolidation and reverses scopolamine-induced memory deficit in social and visuospatial memory tasks through a 5-HT<sub>6</sub> receptor-mediated mechanism. *Neuropharmacology* **50** 412. PMID: 16298400.

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