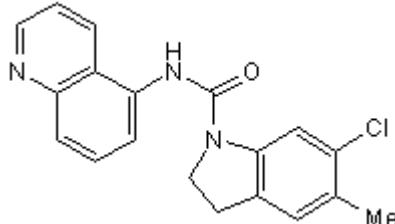


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** SB 215505**Catalog No.:** 1374**Batch No.:** 1**CAS Number:** 162100-15-4**IUPAC Name:** 6-Chloro-2,3-dihydro-5-methyl-N-5-quinoliny-1*H*-indole-1-carboxamide**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>19</sub>H<sub>16</sub>ClN<sub>3</sub>O**Batch Molecular Weight:** 337.81**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM**Storage:** Store at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R<sub>f</sub> = 0.2 (Dichloromethane:Methanol [19:1])**HPLC:** Shows 99.1% purity**<sup>1</sup>H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 67.56 4.77 12.44

Found 67.55 4.76 12.38

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

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## Product Information

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**Product Name:** SB 215505

**Catalog No.:** 1374

**Batch No.:** 1

**CAS Number:** 162100-15-4

**IUPAC Name:** 6-Chloro-2,3-dihydro-5-methyl-N-5-quinoliny-1*H*-indole-1-carboxamide

### Description:

Potent 5-HT<sub>2B/2C</sub> receptor antagonist (pK<sub>i</sub> values are 8.3, 7.66 and 6.77 for 5-HT<sub>2B</sub>, 5-HT<sub>2C</sub> and 5-HT<sub>2A</sub> respectively). Increases wakefulness and motor activity in rats. Orally active.

### Physical and Chemical Properties:

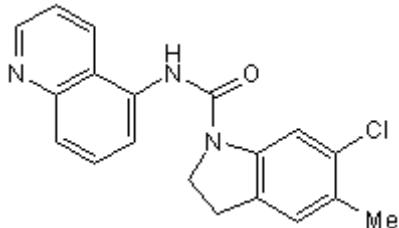
Batch Molecular Formula: C<sub>19</sub>H<sub>16</sub>ClN<sub>3</sub>O

Batch Molecular Weight: 337.81

Physical Appearance: White solid

**Minimum Purity:** >98%

### Batch Molecular Structure:



**Storage:** Store 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.

### References:

**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.

**Reavill et al** (1999) Attenuation of haloperidol-induced catalepsy by a 5-HT<sub>2C</sub> receptor antagonist. *Br.J.Pharmacol.* **126** 572. PMID: 10188965.

**Kantor et al** (2004) Increased wakefulness, motor activity and decreased theta activity after blockade of the 5-HT<sub>2B</sub> receptor by the subtype-selective antagonist SB-215505. *Br.J.Pharmacol.* **142** 1332. PMID: 15265808.

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