

Certificate of Analysis

Product Name: SB 215505

Catalog No.: 1374

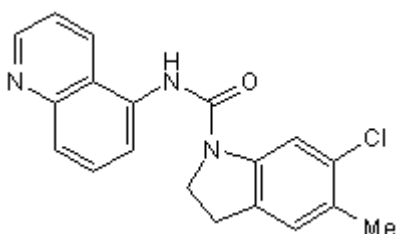
Batch No.: 1

CAS Number: 162100-15-4

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₆ClN₃O
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_f = 0.2 (Dichloromethane:Methanol [19:1])
HPLC: Shows 99.1% purity
¹H 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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Description:

Potent 5-HT_{2B/2C} receptor antagonist (pK_i values are 8.3, 7.66 and 6.77 for 5-HT_{2B}, 5-HT_{2C} and 5-HT_{2A} respectively). Increases wakefulness and motor activity in rats. Orally active.

Physical and Chemical Properties:

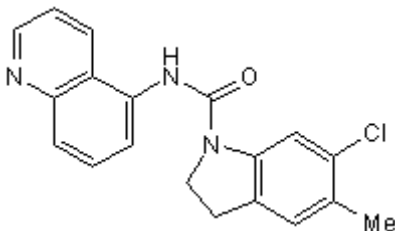
Batch Molecular Formula: C₁₉H₁₆ClN₃O

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_{2B} receptor mediated. *Neuropharmacology* **37** 1603. PMID: 9886683.

Reavill *et al* (1999) Attenuation of haloperidol-induced catalepsy by a 5-HT_{2C} 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_{2B} receptor by the subtype-selective antagonist SB-215505. *Br.J.Pharmacol.* **142** 1332. PMID: 15265808.

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