

**Product Name:** PK 11195

**Catalog No.:** 0670

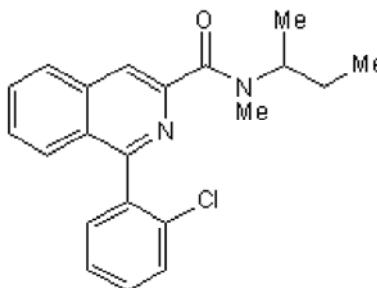
**Batch No.:** 11

CAS Number: 85532-75-8

IUPAC Name: 1-(2-Chlorophenyl)-N-methyl-N-(1-methylpropyl)-3-isoquinolinecarboxamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>21</sub>ClN<sub>2</sub>O  
**Batch Molecular Weight:** 352.86  
**Physical Appearance:** White solid  
**Solubility:** ethanol to 50 mM  
 DMSO to 50 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**Melting Point:** Between 136 - 138°C  
**HPLC:** Shows 99.8% purity  
<sup>1</sup>H NMR: Consistent with structure  
 Mass Spectrum: Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	71.48	6	7.94
Found	71.45	6.05	8.04

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

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**Description:**

PK 11195 has high affinity for the peripheral benzodiazepine receptor (PBR, TSPO) without binding to other known neurotransmitter receptors. Also inhibits the human constitutive androstane receptor (hCAR).

**Physical and Chemical Properties:**

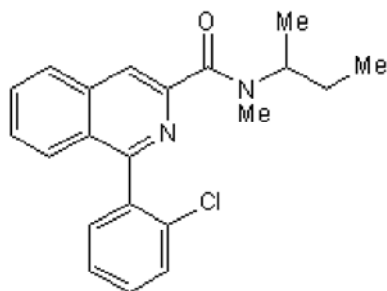
Batch Molecular Formula: C<sub>21</sub>H<sub>21</sub>ClN<sub>2</sub>O

Batch Molecular Weight: 352.86

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

ethanol to 50 mM

DMSO 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:**

**Li et al** (2008) The peripheral benzodiazepine receptor ligand 1-(2-chlorophenyl-methylpropyl)-3-isoquinoline-carboxamide is a novel antagonist of human androstane receptor. *Mol.Pharmacol.* **74** 443. PMID: 18492798.

**Conway et al** (1998) Temporal changes in glial fibrillary acidic protein messenger RNA and [3H]PK11195 binding in relation to imidazoline-I2-receptor and α2-adrenoceptor binding in the hippocampus following transient global forebrain isch *Neuroscience* **82** 805. PMID: 9483537.

**Le Fur et al** (1983) Differentiation between two ligands for peripheral benzodiazepine binding sites [3H]-Ro 5-4864 and [3H]-PK11195, by thermodynamic studies. *Life Sci.* **33** 449. PMID: 6308375.

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