

Product Name: CB 65

Catalog No.: 2663

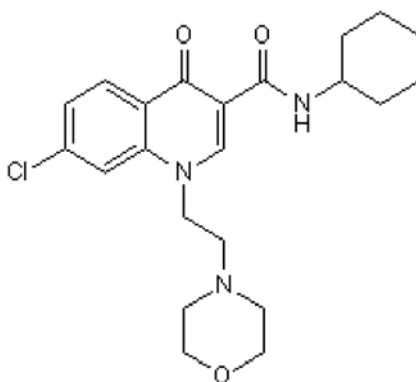
Batch No.: 1

CAS Number: 913534-05-1

IUPAC Name: *N*-Cyclohexyl-7-chloro-1-[2-(4-morpholinyl)ethyl]quinolin-4(1*H*)-one-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₈ClN₃O₃
Batch Molecular Weight: 417.93
Physical Appearance: White solid
Solubility: DMSO to 5 mM with gentle warming
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.29 (Dichloromethane:Methanol [95:5])
HPLC: Shows 99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.23	6.75	10.05
Found	63.21	6.83	10.02

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

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Description:

High affinity and selective CB₂ receptor agonist; K_i values are 3.3 and > 1000 nM for CB₂ and CB₁ receptors respectively.

Physical and Chemical Properties:

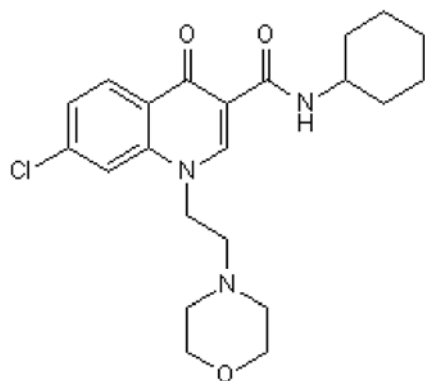
Batch Molecular Formula: C₂₂H₂₈ClN₃O₃

Batch Molecular Weight: 417.93

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 5 mM with gentle warming

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:

Manera et al (2006) Design, synthesis, and biological evaluation of new 1,8-naphthyridin-4(1*H*)-on-3-carboxamide and quinolin-4(1*H*)-on-3-carboxamide derivatives as CB₂ selective agonists. *J.Med.Chem.* **49** 5947. PMID: 17004710.

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