

Product Name: GP 2a

Catalog No.: 2678

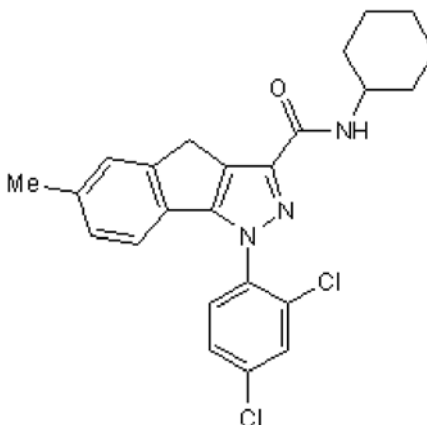
Batch No.: 1

CAS Number: 919077-81-9

IUPAC Name: *N*-Cyclohexyl-1-(2,4-dichlorophenyl)-1,4-dihydro-6-methylindeno[1,2-*c*]pyrazole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₂₃Cl₂N₃O
Batch Molecular Weight: 440.36
Physical Appearance: White solid
Solubility: DMSO to 50 mM
 ethanol to 20 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.49 (Ethyl acetate:Petroleum ether [1:3])
HPLC: Shows >99.8% purity
¹H NMR: Consistent with structure
¹³C NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 65.46 | 5.26 | 9.54 |
| Found | 65.46 | 5.2 | 9.52 |

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

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Description:

Selective CB₂ receptor agonist; K_i values are 7.6 and 900 nM for CB₂ and CB₁ receptors respectively. Increases P-ERK1/2 expression in HL-60 cells in vitro.

Physical and Chemical Properties:

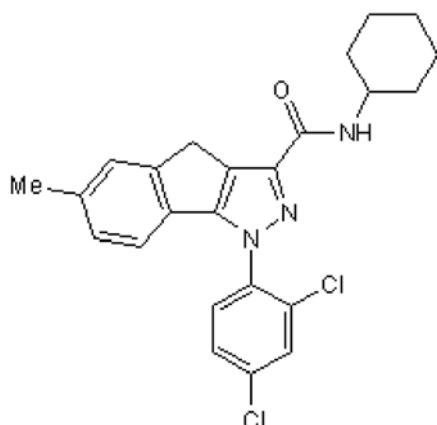
Batch Molecular Formula: C₂₄H₂₃Cl₂N₃O

Batch Molecular Weight: 440.36

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 50 mM

ethanol to 20 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:

Murineddu et al (2006) Tricyclic pyrazoles. 4. Synthesis and biological evaluation of analogues of the robust and selective CB₂ cannabinoid ligand 1-(2',4'-dichlorophenyl)-6-methyl-*N*-piperidin-1-yl-1,4-dihydroindeno[1,2-*c*]pyrazole-3-carboxam. *J. Med. Chem.* **49** 7502. PMID: 17149879.

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