Product Name: SR 141716A
Catalog No.: 0923
Batch No.: 4
CAS Number: 158681-13-1
IUPAC Name: \(N\)-(Piperidin-1-yl)-5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carboxamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \(C_{22}H_{21}Cl_{3}N_{4}O\)
   Batch Molecular Weight: 500.25
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
   Storage: Desiccate at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 99.4% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>52.82</td>
<td>52.64</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.43</td>
<td>4.39</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>11.19</td>
<td>10.84</td>
</tr>
</tbody>
</table>

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

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**Catalog No.:** 0923  
**Batch No.:** 4

**CAS Number:** 158681-13-1  
**IUPAC Name:** N-(Piperidin-1-yl)-5-(4-chlorophenyl)-1-(2,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carboxamide hydrochloride

**Description:**
Potent and selective cannabinoid CB₁ receptor antagonist (Kᵢ = 1.98 nM). Also acts as an inverse agonist reversing adenylyl cyclase inhibition by WIN 55,212-2 (Cat.No. 1038) (IC₅₀ = 48 nM). Displays no activity at CB₂ receptors. Reduces food intake and body weight in orally dosed non-obese Wistar rats. Also μ-opioid receptor antagonist (Kᵢ = 652 nm)

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂₂H₂₁Cl₂N₂O
- **Batch Molecular Weight:** 500.25
- **Physical Appearance:** White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Desiccate at RT

**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:**