Product Name: (±)-SLV 319
Catalog No.: 4605
Batch No.: 1
CAS Number: 362519-49-1
IUPAC Name: 3-(4-Chlorophenyl)-N-[(4-Chlorophenyl)sulfonyl]-4,5-dihydro-\(N^\prime\)-methyl-4-phenyl-1\(H\)-pyrazole-1-carboximidamide

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \(C_{23}H_{20}Cl_2N_4O_2S\)
   Batch Molecular Weight: 487.4
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM, ethanol to 10 mM with gentle warming
   Storage: Store at +4°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   TLC: \(R_f = 0.85\) (Chloroform:Methanol [9:1])
   HPLC: Shows 99.2% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>56.68</td>
<td>56.5</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.14</td>
<td>4.18</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>11.49</td>
<td>11.51</td>
</tr>
</tbody>
</table>
Product Name: (±)-SLV 319
Catalog No.: 4605
Batch No.: 1

CAS Number: 362519-49-1
IUPAC Name: 3-(4-Chlorophenyl)-N-[(4-Chlorophenyl)sulfonyl]-4,5-dihydro-N'-methyl-4-phenyl-1H-pyrazole-1-carboximidamide

Description:
High affinity and selective CB₁ receptor antagonist (Kᵢ = 7.8 nM). Exhibits 1000-fold selectivity for CB₁ over CB₂ receptors. Inhibits CP 55,940-induced hypotension and WIN 55,212-2-induced hypothermia in vivo. Orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₃H₂₀Cl₂N₄O₂S
Batch Molecular Weight: 487.4
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 10 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: