1. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Molecular Formula</td>
<td>( \text{C}<em>{25}\text{H}</em>{27}\text{N}<em>{3}\text{O}</em>{3} )</td>
</tr>
<tr>
<td>Batch Molecular Weight</td>
<td>417.5</td>
</tr>
<tr>
<td>Physical Appearance</td>
<td>Off White solid</td>
</tr>
<tr>
<td>Solubility</td>
<td>DMSO to 10 mM</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at +4°C</td>
</tr>
<tr>
<td>Batch Molecular Structure</td>
<td><img src="image" alt="Molecular Structure" /></td>
</tr>
</tbody>
</table>

2. ANALYTICAL DATA

- **TLC:** \( R_f = 0.47 \) (Chloroform:Methanol [9:1])
- **HPLC:** Shows >99.9% purity
- **\(^1\text{H} NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Theoretical: 71.92, 6.52, 10.06
  - Found: 71.89, 6.51, 10.11
**Product Information**

**Product Name:** RS 504393

**Catalog No.:** 2517  
**Batch No.:** 8

**CAS Number:** 300816-15-3

**IUPAC Name:** 6-Methyl-1’-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-spiro[4H-3,1-benzoxazine-4,4’-piperidin]-2(1H)-one

**Description:**
Extremely selective CCR2 chemokine receptor antagonist (IC\(_{50}\) values are 98 nM and > 100 \(\mu\)M for inhibition of human recombinant CCR2b and CCR1 receptors respectively). Inhibits MCP-1 chemotaxis (IC\(_{50}\) = 330 nM) and ischemia-reperfusion injury in kidneys.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\(_{25}\)H\(_{27}\)N\(_3\)O\(_3\)
- **Batch Molecular Weight:** 417.5
- **Physical Appearance:** Off White solid
- **Minimum Purity:** >99%

**Storage:** Store at +4°C

**Solubility & Usage Info:**
DMSO to 10 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:**