1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** \( C_{14}H_{13}N \)

**Batch Molecular Weight:** 195.26

**Physical Appearance:** White crystalline solid

**Solubility:** DMSO to 100 mM

**Storage:** Desiccate at +4°C

2. ANALYTICAL DATA

**TLC:** \( R_f = 0.5 \) (Diethyl ether:Hexane [1:2])

**Melting Point:** Between 45 - 48°C

**\(^1H\) NMR:** Consistent with structure

**Microanalysis:**

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>86.12</td>
<td>6.71</td>
<td>7.17</td>
</tr>
<tr>
<td>Found</td>
<td>86.13</td>
<td>6.72</td>
<td>7.16</td>
</tr>
</tbody>
</table>
Product Name: SIB 1893
Catalog No.: 1214  Batch No.: 1

CAS Number: 6266-99-5
IUPAC Name: 2-Methyl-6-(2-phenylethenyl)pyridine

Description:
A highly selective non-competitive antagonist for the metabotropic glutamate mGlu5 receptor subtype; displays an IC50 value of 0.3 μM at hmGlu5, compared with > 100 μM at hmGlu1b, hmGlu2, hmGlu4, hmGlu7 and hmGlu8. Centrally active upon systemic administration in vivo. Positive allosteric modulator at mGlu4 receptors.

Physical and Chemical Properties:
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Physical Appearance: White crystalline solid

Batch Molecular Structure:

Storage: Desiccate at +4°C

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:
