1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_5\text{H}_6\text{N}_2 \)
Batch Molecular Weight: 94.12
Physical Appearance: White crystalline solid
Solubility: DMSO to 100 mM

2. ANALYTICAL DATA

HPLC: Shows >99.9% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: 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>63.81</td>
<td>6.43</td>
<td>29.75</td>
</tr>
<tr>
<td>Found</td>
<td>63.79</td>
<td>6.46</td>
<td>29.93</td>
</tr>
</tbody>
</table>
Product Name: 4-Aminopyridine

Description:
Non-selective voltage-dependent K-channel blocker (IC\textsubscript{50} values are 170 and 230 μM at K\textsubscript{1.1} and K\textsubscript{1.2} respectively). Caged 4-AP (Cat. No. 3557) is also available.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{5}H\textsubscript{4}N\textsubscript{2}
Batch Molecular Weight: 94.12
Physical Appearance: White crystalline solid
Minimum Purity: >99%

Storage:
Store at RT

Solubility & Usage Info:
DMSO to 100 mM
water 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: