1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{15}\text{H}_{15}\text{N.HCl} \)
Batch Molecular Weight: 245.75
Physical Appearance: White crystalline solid
Solubility: Soluble in DMSO water to 25 mM
Storage: Store at RT
Batch Molecular Structure:

![Molecular Structure](image)

2. ANALYTICAL DATA

TLC: \( R_f = 0.54 \) (Dichloromethane:Methanol:Triethylamine [9:1:0.1])
Melting Point: Between 222 - 224°C
\(^1\text{H NMR:}\) 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>73.31</td>
<td>6.56</td>
<td>5.7</td>
</tr>
<tr>
<td>Found</td>
<td>73.08</td>
<td>6.56</td>
<td>5.65</td>
</tr>
</tbody>
</table>
Product Name: 4-Phenyl-1,2,3,4-tetrahydroisoquinoline hydrochloride
CAS Number: 6109-35-9
Catalog No.: 0730
Batch No.: 2

Description:
Inhibitor of release of dopamine induced by methamphetamine.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₅H₁₅N.HCl
Batch Molecular Weight: 245.75
Physical Appearance: White crystalline solid

Storage: Store at RT

Solubility & Usage Info:
Soluble in DMSO
water to 25 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: