1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{16}\text{H}_{16}\text{ClNO}_{2}\cdot\text{HBr}\cdot1\frac{3}{4}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 402.19

Physical Appearance: Beige solid

Solubility: DMSO to 100 mM
            water to 10 mM

Storage: Desiccate at +4°C

2. ANALYTICAL DATA

HPLC: Shows 99.5% purity

\(^1\text{H} \text{NMR:}\) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
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<tr>
<td>H</td>
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</table>
Product Name: SKF 81297 hydrobromide

CAS Number: 67287-39-2

IUPAC Name: (±)-6-Chloro-2,3,4,5-tetrahydro-1-phenyl-1H-3-benzazepine hydrobromide

Description:
Dopamine D₁-like receptor agonist. Centrally active following systemic administration in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₆H₁₁ClNO₂·HBr·1¾H₂O
Batch Molecular Weight: 402.19
Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:

Storage: Desiccate at +4°C

Solubility & Usage Info:
DMSO to 100 mM
Water 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:
