1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{19}H_{20}ClNO.HBr$
- **Batch Molecular Weight:** 394.73
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Desiccate at RT
- **Batch Molecular Structure:**

![Molecular Structure](image)

2. ANALYTICAL DATA

- **HPLC:** Shows >99.8% 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>57.81</td>
<td>5.36</td>
<td>3.55</td>
</tr>
<tr>
<td>Found</td>
<td>57.64</td>
<td>5.36</td>
<td>3.39</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: SCH 39166 hydrobromide
Catalog No.: 2299
Batch No.: 5

CAS Number: 1227675-51-5
IUPAC Name: (6αS-trans)-11-Chloro-6,6a,7,8,9,13b-hexahydro-7-methyl-5H-benzo[d]naphth[2,1-b]azepin-12-ol hydrobromide

Description:
High affinity dopamine D1/D5 receptor antagonist; displays K_i values of 1.2, 2, 980, 5520, 80 and 731 nM for binding to D1, D5, D2, D4, 5-HT and α2 receptors, respectively.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{20}ClNO.HBr
Batch Molecular Weight: 394.73
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Desiccate at RT

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: