1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{17}\text{H}_{26}\text{NCl}\cdot\text{HCl}\cdot\text{H}_{2}\text{O} \)
   Batch Molecular Weight: 334.33
   Physical Appearance: White solid
   Solubility:
   - Water to 5 mM
   - DMSO to 100 mM
   Storage: Store at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 100% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>61.07</td>
<td>61.21</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>8.74</td>
<td>8.55</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>4.19</td>
<td>4.21</td>
</tr>
</tbody>
</table>
Product Information

Product Name: Sibutramine hydrochloride  
Catalog No.: 2290  
Batch No.: 5

CAS Number: 84485-00-7  
IUPAC Name: 1-(4-Chlorophenyl)-N,N-dimethyl-α-(2-methylpropyl)cyclobutanemethanamine hydrochloride

Description:
5-HT and noradrenalin re-uptake inhibitor (SNRI). Produces weight loss in rats via inhibition of food intake and increased energy expenditure. Antidepressant.

Physical and Chemical Properties:
Batch Molecular Formula: C_{17}H_{26}NCl.HCl.H_{2}O  
Batch Molecular Weight: 334.33  
Physical Appearance: White solid

Minimum Purity: ≥99%

Storage: Store at RT

Solubility & Usage Info:
water to 5 mM  
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:
