1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{17}\text{H}_{26}\text{NCl.HCl.H}_{2}\text{O} \)

Batch Molecular Weight: 334.33

Physical Appearance: White solid

Solubility: water to 5 mM

DMSO to 100 mM

Storage: Store at RT

2. ANALYTICAL DATA

HPLC:
Shows 100% purity

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

Mass Spectrum:
Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
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<th>Found</th>
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<tbody>
<tr>
<td>C</td>
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<tr>
<td>H</td>
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<tr>
<td>N</td>
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</table>
Product Name: Sibutramine hydrochloride
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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE USA ONLY
This product is a Schedule IV DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

INFORMATION FOR CUSTOMERS IN CANADA ONLY
This product is a Schedule IV CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References: