1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(\text{C}_{11}\text{H}_{14}\text{N}_{2}\text{O}.\text{HCl}.\text{H}_{2}\text{O}\)
Batch Molecular Weight: 244.73
Physical Appearance: Beige solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:

\[
\begin{align*}
\text{HO} & \quad \text{NH}_2 \\
\text{Me} & \\
\text{HCl}
\end{align*}
\]

2. ANALYTICAL DATA

HPLC: Shows 100% purity
\(^1\text{H NMR:}\) 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>53.99</td>
<td>7</td>
<td>11.45</td>
</tr>
<tr>
<td>Found</td>
<td>54.11</td>
<td>6.66</td>
<td>11.44</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: 2-Methyl-5-hydroxytryptamine hydrochloride
Catalog No.: 0558  Batch No.: 5

CAS Number: 845861-49-6

Description:
5-HT<sub>3</sub> agonist (K<sub>i</sub> = 1200 nM) and potent 5-HT<sub>6</sub> ligand (K<sub>i</sub> = 46 nM).

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>11</sub>H<sub>13</sub>N<sub>2</sub>O.HCl.H<sub>2</sub>O
Batch Molecular Weight: 244.73
Physical Appearance: Beige solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
water to 100 mM
CAUTION - This product is unstable in solution, therefore we recommend that solutions are made up and used on the day of preparation.

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: