1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{17}H_{20}N_{2}O_{2}\cdot\text{HCl}

Batch Molecular Weight: 320.82

Physical Appearance: White solid

Solubility: water to 100 mM
DMSO to 50 mM

Storage: Desiccate at RT

Batch Molecular Structure:

![Molecular Structure Image]

(and enantiomer)

2. ANALYTICAL DATA

HPLC: Shows 100% purity

$^1$H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>63.64</td>
<td>63.76</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.6</td>
<td>6.51</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>8.73</td>
<td>8.7</td>
</tr>
</tbody>
</table>
**Product Information**

**Product Name:** Tropisetron hydrochloride  
**Catalog No.:** 2459  
**Batch No.:** 2

**Description:**  
Potent, orally active 5-HT<sub>3</sub> receptor antagonist. Antiemetic. Also partial agonist of α<sub>7</sub> nAChR. Activates α<sub>7</sub>G<sub>79K</sub>-GlyR chimeric ion channels (EC<sub>50</sub> = 38 nM)

**Physical and Chemical Properties:**  
- **Batch Molecular Formula:** C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>·HCl  
- **Batch Molecular Weight:** 320.82  
- **Physical Appearance:** White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**

![Molecular Structure](image)

(and enantiomer)

**Storage:** Desiccate at RT

**Solubility & Usage Info:**  
- water to 100 mM  
- DMSO to 50 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:**


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**Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use**

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