1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** \( C_{17}H_{25}ClN_{2}O_{3}.HCl \)

**Batch Molecular Weight:** 377.31

**Physical Appearance:** Off-white solid

**Solubility:** water to 100 mM

**Storage:** Desiccate at RT

**Batch Molecular Structure:**

![Structure Image]

2. ANALYTICAL DATA

**TLC:**

\[ R_f = 0.8 \text{ (Dichloromethane:Methanol [9:1])} \]

**Melting Point:** Between 147 - 148°C

**HPLC:** Shows >99.9% purity

**\(^1\)H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Optical Rotation:** \([\alpha]_D = -4.7 \text{ (Concentration = 0.3, Solvent = Methanol)}\)

**Microanalysis:**

<table>
<thead>
<tr>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>54.12</td>
<td>6.95</td>
</tr>
<tr>
<td>Found</td>
<td>54.38</td>
<td>6.97</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** Eticlopride hydrochloride

**CAS Number:** 97612-24-3

**IUPAC Name:** 3-Chloro-5-ethyl-N-[(2S)-1-ethyl-2-pyrrolidinyl)methyl]-6-hydroxy-2-methoxy-benzamide hydrochloride

**Description:**
Selective dopamine D₂/D₃ receptor antagonist (Kᵢ values are 0.50 and 0.16 nM respectively). Antipsychotic.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₁₇H₂₀ClN₂O₃.HCl
- **Batch Molecular Weight:** 377.31
- **Physical Appearance:** Off-white solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Desiccate at RT

**Solubility & Usage Info:**
- Water 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:**