Product Name: Eltoprazine hydrochloride

CAS Number: 98206-09-8

IUPAC Name: 1-(2,3-Dihydro-1,4-benzodioxin-5-yl)-piperazine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{12}\text{H}_{16}\text{N}_{2}\text{O}_{2}\cdot\text{HCl} \)

Batch Molecular Weight: 256.73

Physical Appearance: White solid

Solubility:
- water to 100 mM
- phosphate buffered saline to 100 mM

Storage: Store at RT

Batch Molecular Structure:

![Batch Molecular Structure Diagram]

2. ANALYTICAL DATA

TLC: \( R_f = 0.25 \) (Dichloromethane:Meanol [9:1])

Melting Point: Greater than 250°C(dec)

HPLC: Shows >98.7% purity

\(^1\)H NMR: 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>56.14</td>
<td>6.67</td>
<td>10.91</td>
</tr>
<tr>
<td>Found</td>
<td>55.94</td>
<td>6.92</td>
<td>10.88</td>
</tr>
</tbody>
</table>

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

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<th>CAS Number: 98206-09-8</th>
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</tr>
</tbody>
</table>

**Description:**
5-HT₁ and 5-HT₂C receptor partial agonist (Kᵥ values are 40, 52 and 81 nM for 5-HT₁A, 5-HT₁B and 5-HT₂C receptors respectively). Reduces 5-HIAA levels in the striatum and exhibits antiaggressive behavior in vivo.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₁₂H₁₉N₂O₂.HCl
- **Batch Molecular Weight:** 256.73
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**Batch Molecular Structure:**
![Batch Molecular Structure](image)

**Storage:** Store at RT

**Solubility & Usage Info:**
- Water to 100 mM
- Phosphate buffered saline 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).

**Other Information:**
**INFORMATION FOR CUSTOMERS IN THE UK ONLY**
This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevent licence or be exempt from restrictions in order to purchase and posess this material.

**References:**