Product Name: LY 266097 hydrochloride
Catalog No.: 4081
Batch No.: 1
CAS Number: 172895-39-5
IUPAC Name: 1-[(2-Chloro-3,4-dimethoxyphenyl)methyl]-2,3,4,9-tetrahydro-6-methyl-1H-pyrido[3,4-b]indole hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C_{21}H_{23}ClN_{2}O_{2}.HCl
   Batch Molecular Weight: 407.33
   Physical Appearance: Off-white solid
   Solubility: DMSO to 100 mM, ethanol to 100 mM
   Storage: Store at +4°C
   Batch Molecular Structure:

   ![Batch Molecular Structure Image]

2. ANALYTICAL DATA

   HPLC: Shows 99.8% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>61.92</td>
<td>61.94</td>
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<tr>
<td>Hydrogen</td>
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<td>5.91</td>
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<tr>
<td>Nitrogen</td>
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<td>6.76</td>
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</tbody>
</table>
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Description:
Selective 5-HT₂B receptor antagonist (pKᵢ = 9.3). More than 100-fold selective over 5-HT₂A and 5-HT₂C. Attenuates amphetamine-induced locomotion in the rat.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₁H₂₀ClN₂O₂·HCl
Batch Molecular Weight: 407.33
Physical Appearance: Off-white solid
Minimum Purity: >99%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol 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: