1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{19}H_{20}N_2O \cdot \frac{1}{4}H_2O \)
Batch Molecular Weight: 296.88
Physical Appearance: Pale yellow solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.4 \) (Ethyl acetate:Petroleum ether [3:1])
HPLC: Shows 100% 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>76.87</td>
<td>77.12</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.96</td>
<td>7.01</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>9.44</td>
<td>9.55</td>
</tr>
</tbody>
</table>
Product Name: Luzindole

CAS Number: 117946-91-5

IUPAC Name: N-Acetyl-2-benzyltryptamine

Description:
Melatonin antagonist.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{20}N_{2}O\cdot\frac{1}{4}H_{2}O
Batch Molecular Weight: 296.88
Physical Appearance: Pale yellow solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at -20°C. This product is packaged under an inert atmosphere.

Solubility & Usage Info:
DMSO 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.

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 posses this material.

References:
