1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{19}\text{H}_{20}\text{N}_{2}\text{O} \cdot \frac{1}{4}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 296.88

Physical Appearance: Pale yellow solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.4 \) (Ethyl acetate:Petroleum ether [3:1])

HPLC: Shows 100% purity

\(^1\text{H NMR:}\) 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>C</td>
<td>76.87</td>
<td>77.12</td>
</tr>
<tr>
<td>H</td>
<td>6.96</td>
<td>7.01</td>
</tr>
<tr>
<td>N</td>
<td>9.44</td>
<td>9.55</td>
</tr>
</tbody>
</table>
Product Information

Product Name: Luzindole
CAS Number: 117946-91-5
IUPAC Name: N-Acetyl-2-benzyltryptamine
Catalog No.: 0877
Batch No.: 3

Description:
Melatonin antagonist.

Physical and Chemical Properties:
Batch Molecular Formula: C_{19}H_{20}N_{2}O.\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 relevant licence or be exempt from restrictions in order to purchase and possess this material.

References: