Product Name: Luzindole  
CAS Number: 117946-91-5  
IUPAC Name: N-Acetyl-2-benzyltryptamine  

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></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>76.87</td>
<td>6.96</td>
<td>9.44</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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_{15}H_{20}N_{2}O_{1.1}H_{2}O
Batch Molecular Weight: 296.88
Physical Appearance: Pale yellow solid
Minimum Purity: >99%

Batch Molecular Structure:

![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.

References: