1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{14}\text{H}_{16}\text{N}_2\text{O}.\frac{1}{2}\text{C}_4\text{H}_6\text{O}_4$

Batch Molecular Weight: 287.34

Physical Appearance: Yellow solid

Solubility: DMSO to 50 mM

Storage: Store at RT

2. ANALYTICAL DATA

TLC: $R_f = 0.45$ (Dichloromethane:Methanol:Ammonia soln. [50:1:0.1])

HPLC: Shows 99.1% purity

$^1\text{H NMR}$: 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>66.88</td>
<td>66.5</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.67</td>
<td>6.69</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>9.75</td>
<td>9.73</td>
</tr>
</tbody>
</table>
**Product Name:** RU 24969 hemisuccinate  
**Catalog No.:** 0912  
**Batch No.:** 4

**CAS Number:** 66611-27-6  
**IUPAC Name:** 5-Methoxy-3-(1,2,5,6-tetrahydro-4-pyridinyl)-1H-indole hemisuccinate

**Description:**  
Potent 5-HT\textsubscript{1A/B} and moderate 5-HT\textsubscript{2C} agonist that may also release 5-HT. Centrally active following systemic administration.

**Physical and Chemical Properties:**  
- **Batch Molecular Formula:** C\textsubscript{13}H\textsubscript{14}N\textsubscript{2}O,\textfrac{1}{2}C\textsubscript{4}H\textsubscript{8}O\textsubscript{4}  
- **Batch Molecular Weight:** 287.34  
- **Physical Appearance:** Yellow solid  
- **Minimum Purity:** >99%

**Storage:** Store at RT

**Solubility & Usage Info:**  
- DMSO to 50 mM  
- Water to 30 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:**

