1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_9\text{H}_6\text{N}_2\text{O}_2 \)

Batch Molecular Weight: 174.16

Physical Appearance: Tan solid

Solubility: DMSO to 100 mM ethanol to 10 mM

Storage: Store at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows >95.2% 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>62.07</td>
<td>3.47</td>
<td>16.08</td>
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<tr>
<td>Found</td>
<td>61.7</td>
<td>3.42</td>
<td>16.08</td>
</tr>
</tbody>
</table>
**Product Information**

**Product Name:** NSC 3852  
**CAS Number:** 3565-26-2  
**IUPAC Name:** 5-Nitroso-8-quinolinol

**Catalog No.:** 2521  
**EC Number:** 222-650-6  
**Batch No.:** 1

**Description:**

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₈H₇N₂O₂
- **Batch Molecular Weight:** 174.16
- **Physical Appearance:** Tan solid

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at RT

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol to 10 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:**
