Product Name: NSC 66811
CAS Number: 6964-62-1
IUPAC Name: 2-Methyl-7-[Phenyl(phenylamino)methyl]-8-quinolinol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{23}H_{20}N_2O \)
Batch Molecular Weight: 340.42
Physical Appearance: white solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.76 \) (Ethyl acetate:Petroleum ether [1:1])
HPLC: Shows 97.1% purity
\(^1\text{H} \text{NMR:} \) Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
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<td>Theoretical</td>
<td>81.15</td>
<td>5.92</td>
<td>8.23</td>
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<tr>
<td>Found</td>
<td>81.26</td>
<td>6.13</td>
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</table>
**Product Information**

**Product Name:** NSC 66811  
**CAS Number:** 6964-62-1  
**IUPAC Name:** 2-Methyl-7-[Phenyl(phenylamino)methyl]-8-quinolinol

**Description:**  
Potent MDM2 inhibitor ($K_i = 120$ nM) which disrupts MDM2-p53 interaction and activates p53 function. Induces p21, p53 and MDM2 accumulation in human colon cancer cells in vitro.

**Physical and Chemical Properties:**  
Batch Molecular Formula: C$_{23}$H$_{20}$N$_2$O  
Batch Molecular Weight: 340.42  
Physical Appearance: white solid  
Minimum Purity: >97%

**Storage:** Store at +4°C

**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:**  