1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{18}H_{18}N_{2}O_{3}$
Batch Molecular Weight: 310.35
Physical Appearance: orange-red solid
Solubility:
- 1eq. NaOH to 100 mM
- DMSO to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: $R_f = 0.5$ (Pet.ether:Ethyl Acetate:Acetic acid [5:5:1])
HPLC: Shows >99.1% purity
$^1$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>69.66</td>
<td>69.92</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.85</td>
<td>5.93</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>9.03</td>
<td>9.09</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** SU 6668  
**Catalog No.:** 3335  
**Batch No.:** 1

**Description:**
ATP-competitive PDGFR, VEGF and FGFR inhibitor (IC\textsubscript{50} values are 0.06, 2.43, 3.04 and > 100 \(\mu\)M at PDGFR\(\beta\), VEGFR2, FGFR1 and EGFR respectively). Inhibits proliferation of HUVEC and NIH3T3 cells in vitro (IC\textsubscript{50} values are 0.41, 9.3 and 16.5 \(\mu\)M for VEGF, FGF and PDGF-stimulated growth respectively) and induces > 75% growth inhibition against a broad range of tumor types in vivo. Exhibits antiangiogenic, anti-inflammatory, antimetastatic and proapoptotic activity and is orally active.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** \(C_{18}H_{16}N_{2}O_{3}\)
- **Batch Molecular Weight:** 310.35
- **Physical Appearance:** orange-red solid
- **Minimum Purity:** >99%

**Storage:** Store at RT

**Solubility & Usage Info:**
- 1eq. NaOH to 100 mM
- 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:**