Product Name: Iressa
Catalog No.: 3000
Batch No.: 3
CAS Number: 184475-35-2
IUPAC Name: N-(3-chloro-4-fluoro-phenyl)-7-methoxy-6-(3-morpholin-4-ylpropoxy)quinazolin-4-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{22}H_{24}ClF_{2}N_{4}O_{3}
Batch Molecular Weight: 446.9
Physical Appearance: White solid
Solubility:
- DMSO to 100 mM
- Ethanol to 10 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 100% purity
^1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>59.13</td>
<td>59.16</td>
</tr>
<tr>
<td>H</td>
<td>5.41</td>
<td>5.35</td>
</tr>
<tr>
<td>N</td>
<td>12.54</td>
<td>12.52</td>
</tr>
</tbody>
</table>
Product Information

**Product Name:** Iressa  
**Catalog No.:** 3000  
**Batch No.:** 3

**CAS Number:** 184475-35-2

**IUPAC Name:** \( N-(3\text{-}chloro-4\text{-}fluoro\text{-}phenyl)-7\text{-}methoxy-6\text{-}(3\text{-}morpholin-4\text{-}ylpropoxy)quinazolin-4\text{-}amine \)

**Description:**

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** \( C_{22}H_{23}ClFN_{3}O_{3} \)
- **Batch Molecular Weight:** 446.9
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**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.

**Licensing Information:**
Sold for research purposes only under agreement from AstraZeneca

**References:**