1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{24}\text{H}_{23}\text{ClF}_{N_{5}}\text{O}_{2.5}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 476.93

Physical Appearance: Beige solid

Solubility: DMSO to 50 mM

Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.4 \) (Dichloromethane:Methanol [1:1])

HPLC: Shows 97.3% 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>60.44</td>
<td>5.07</td>
<td>14.68</td>
</tr>
<tr>
<td>Found</td>
<td>60.21</td>
<td>5.05</td>
<td>14.58</td>
</tr>
</tbody>
</table>
# Product Information

**Product Name:** Pelitinib  
**Catalog No.:** 6349  
**Batch No.:** 1  

**Description:**
Potent irreversible EGFR inhibitor (IC$_{50}$ = 20-80 nM). Selective for EGFR over Src, MEK/ERK, erbB2, Raf, c-Met and Cdk4 (IC$_{50}$ values are 282, 800, 1255, 3353, 4100 and >20,000). Inhibits the growth of tumors overexpressing EGFR in vivo. Orally bioavailable.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C$_{24}$H$_{23}$ClFN$_3$O$_7$·½H$_2$O
- **Batch Molecular Weight:** 476.93
- **Physical Appearance:** Beige solid

**Minimum Purity:** >97%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**
DMSO to 50 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 under agreement from Pfizer Inc

**References:**