1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{22}\text{H}_{20}\text{N}_{4}\text{O}_{2} \)

Batch Molecular Weight: 372.42

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.45 \) (Chloroform:Methanol [9:1])

HPLC: Shows 100% purity

\(^1\text{H} \text{NMR:}\) 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>70.95</td>
<td>70.96</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.41</td>
<td>5.32</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>15.04</td>
<td>15.08</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Information**

**Product Name:** PPY A  
**Catalog No.:** 4730  
**Batch No.:** 2

### Description:
Potent inhibitor of T315I mutant and wild-type Abl kinases (IC_{50} values are 9 and 20 nM, respectively). Inhibits growth of cells transformed with either the Bcr-Abl T315I mutant or wild-type Bcr-Abl gene.

### Physical and Chemical Properties:
- **Batch Molecular Formula:** C_{22}H_{20}N_{4}O_{2}
- **Batch Molecular Weight:** 372.42
- **Physical Appearance:** Off-white solid
- **Minimum Purity:** >98%

### Storage:
Store at -20°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: