1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{23} \text{H}_{22} \text{ClN}_{7} \text{O}_{3} \)

Batch Molecular Weight: 479.93

Physical Appearance: Orange solid

Solubility: DMSO to 100 mM

Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 98.7% 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>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>57.56</td>
<td>4.62</td>
<td>20.43</td>
</tr>
<tr>
<td>Found</td>
<td>57.52</td>
<td>4.52</td>
<td>20.26</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**PF 06273340**

**Catalog No.: 6115**
Batch No.: 1

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**Product Name:** PF 06273340  
**CAS Number:** 1402438-74-7  
**IUPAC Name:** N-[5-[[2-Amino-7-(2-hydroxy-1,1-dimethylethyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]carbonyl]-3-pyridinyl]-5-chloro-2-pyridineacetamide

**Description:**
Potent and selective pan-Trk inhibitor (IC\textsubscript{50} values are 1, 2 and 6 nM for Trk C, B and A, respectively). Selective for Trk over a panel of ion channels, receptors and other enzymes. Peripherally restricted. Exhibits efficacy in a rodent model of inflammatory pain. Orally bioavailable.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\textsubscript{25}H\textsubscript{32}ClN\textsubscript{7}O\textsubscript{3}
- **Batch Molecular Weight:** 479.93
- **Physical Appearance:** Orange solid
- **Minimum Purity:** >98%

**Batch Molecular Structure:**

![Chemical Structure Image](image)

**Storage:** Store at RT

**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\degree 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\degree C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**
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**References:**