1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{27}\text{H}_{32}\text{ClN}_{5}\text{O}_{5} \cdot \frac{1}{4}\text{H}_{2}\text{O} \)
Batch Molecular Weight: 546.53
Physical Appearance: Off-white solid
Solubility: DMSO to 20 mM, ethanol to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.0% purity
\( ^{1} \text{H NMR:} \) 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>Carbon</td>
<td>59.34</td>
<td>59.29</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.99</td>
<td>5.91</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>12.81</td>
<td>12.88</td>
</tr>
</tbody>
</table>

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

**Product Name:** Saracatinib  
**Catalog No.:** 7189  
**Batch No.:** 1

**CAS Number:** 379231-04-6  
**IUPAC Name:** \( N-(5\text{-Chloro}-1,3\text{-benzodioxol}-4\text{-yl})-7\text{-}[2\text{-}(4\text{-methyl}-1\text{-piperazinyl})\text{ethoxy}]\text{-}5\text{-}[(\text{tetrahydro}-2\text{H}\text{-pyran}-4\text{-yl})\text{oxy}]\text{-}4\text{-quinazolinamine} \)

**Description:**
Potent and selective Src tyrosine kinase family inhibitor (IC\(_{50} = 4\text{-}10 \text{nM})\). Inhibits Src, c-Yes, Fyn, Lyn, Blk, Fgr, and Lck.

Inhibits. Exhibits selectivity over other tyrosine kinase (IC\(_{50}\) values are 30 nM, 66 nM and 200 nM for v-Abl, EGFR and c-Kit, respectively).

Suppresses invasion of HT1080 cells through a collagen matrix and completely inhibits EGF-induced cell scattering in NBT-II bladder cancer cells. Inhibits the growth of prostate cancer cell lines. Inhibits metastasis in a murine model of bladder cancer. Inhibits MERS-cov replication at the early stage of replication (EC\(_{50} = 2.9 \mu M\)) and displays broad-antiviral activity agains... Please see product datasheet on www.tocris.com for full description.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\(_{27}\)H\(_{32}\)ClN\(_5\)O\(_6\cdot\frac{1}{4}\)H\(_2\)O
- **Batch Molecular Weight:** 546.53
- **Physical Appearance:** Off-white solid
- **Minimum Purity:** ≥98%  

**Storage:** Store at -20°C

**Solubility & Usage Info:**
- **DMSO to 20 mM**
- **ethanol 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:**