1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{22}H_{22}ClK_{6}N_{6}O_{2}H_{2}O

Batch Molecular Weight: 479.02

Physical Appearance: White solid

Solubility: water to 100 mM
DMSO to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows 100% purity

^1H 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>55.16</td>
<td>55.13</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.05</td>
<td>4.97</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>17.54</td>
<td>17.85</td>
</tr>
</tbody>
</table>
**Product Name:** Losartan potassium  
**Catalog No.:** 3798  
**Batch No.:** 3

**IUPAC Name:** 2-Butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-methanol potassium salt

**Description:**
Selective non-peptide angiotensin AT₁ receptor antagonist.
Inhibits the contractile effects of angiotensin II on rabbit aorta and jugular vein (pA₂ = 8.27).
Orally active antihypertensive agent. Attenuates lung damage in a mouse model of SARS-CoV infection.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂₂H₂₂ClKN₂O>H₂O
- **Batch Molecular Weight:** 479.02
- **Physical Appearance:** White solid
- **Minimum Purity:** ≥99%

**Storage:** Desiccate at RT

**Solubility & Usage Info:**
- Water to 100 mM
- 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:**