1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C_{27}H_{34}N_{2}O_{7}.HCl

**Batch Molecular Weight:** 535.03

**Physical Appearance:** Beige solid

**Solubility:**
- Water to 100 mM
- DMSO to 100 mM
- Ethanol to 100 mM

**Storage:** Desiccate at +4°C

**Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

**HPLC:** Shows >99.9% purity

**^{1}H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Optical Rotation:** [α]_{D} = +36 (Concentration = 1.1, Solvent = Ethanol)

**Microanalysis:**

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>60.11</td>
<td>6.63</td>
<td>5.19</td>
</tr>
<tr>
<td>Found</td>
<td>60.01</td>
<td>6.54</td>
<td>5.19</td>
</tr>
</tbody>
</table>
Product Name: Moexipril hydrochloride
CAS Number: 82586-52-5
IUPAC Name: 2-[[2S]-2-[[1S]-1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-3-isouquinolinecarboxylic acid hydrochloride

Description:
Angiotensin-converting enzyme (ACE) inhibitor that is hydrolyzed in the liver to the active metabolite moexiprilat (IC₅₀ values are 2.1 and 2700 nM for moexiprilat and moexipril respectively). Anti hypertensive; decreases mean blood pressure in the spontaneous hypertensive rat (SHR). Also blocks degradation of bradykinin into inactive metabolites.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₇H₂₉N₂O₁₀.HCl
Batch Molecular Weight: 535.03
Physical Appearance: Beige solid
Minimum Purity: >99%

Storage: Desiccate at +4°C

Solubility & Usage Info:
water to 100 mM
DMSO to 100 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: