Product Name: Moxonidine hydrochloride
Catalog No.: 2282
Batch No.: 1
CAS Number: 75536-04-8
IUPAC Name: 4-Chloro-N-(4,5-dihydro-1H-imidazol-2-yl)-6-methoxy-2-methyl-5-pyrimidinamine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₉H₁₂ClN₅O.HCl.H₂O
Batch Molecular Weight: 296.16
Physical Appearance: White solid
Solubility: ethanol to 100 mM
DMSO to 100 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

HPLC: Shows >99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>36.5</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.1</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>23.65</td>
</tr>
</tbody>
</table>

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

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Catalog No.: 2282  Batch No.: 1

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Description:
Mixed I<sub>1</sub> imidazoline receptor and α<sub>2</sub>-adrenergic agonist; displays 40-fold higher affinity for I<sub>1</sub> receptors versus α<sub>2</sub>-adrenoceptors. Centrally acting antihypertensive agent.

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>16</sub>H<sub>12</sub>CIN<sub>3</sub>O.HCl.H<sub>2</sub>O
Batch Molecular Weight: 296.16
Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:

Storage: Desiccated at +4°C

Solubility & Usage Info:
- ethanol 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:
