1. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Molecular Formula</td>
<td>C_{19}H_{21}N_{5}O_{4}.HCl</td>
</tr>
<tr>
<td>Batch Molecular Weight</td>
<td>419.87</td>
</tr>
<tr>
<td>Physical Appearance</td>
<td>Off-white solid</td>
</tr>
<tr>
<td>Solubility</td>
<td>DMSO to 25 mM, ethanol to 5 mM</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at RT</td>
</tr>
</tbody>
</table>

2. ANALYTICAL DATA

- **HPLC:** Shows 99.4% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Theoretical: Carbon 54.35, Hydrogen 5.28, Nitrogen 16.68
  - Found:      Carbon 54.42, Hydrogen 5.25, Nitrogen 16.56
Product Name: Prazosin hydrochloride
Catalog No.: 0623
Batch No.: 5
EC Number: 242-903-4

Description:
α₁ and α₂-adrenoceptor antagonist. Also a potent antagonist at the melatonin MT3 receptor (Kᵢ = 10.2 nM). Also available as part of the α₁-Adrenoceptor Tocriset™ and Mixed Adrenergic Tocriset™.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₉H₂₁N₄O₅.HCl
Batch Molecular Weight: 419.87
Physical Appearance: Off-white solid
Minimum Purity: >99%

Solubility & Usage Info:
DMSO to 25 mM ethanol to 5 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:
Merck Index 12 7897.