1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_{26}H_{31}N_{3}O_{4} \)
   Batch Molecular Weight: 449.54
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM, ethanol to 25 mM
   Storage: Store at +4°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   TLC: \( R_f = 0.3 \) (Chloroform:Methanol [95:5])
   HPLC: Shows 98.1% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<tr>
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<td>6.95</td>
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Product Information

Product Name: OPC 21268
Catalog No.: 3924
Batch No.: 1

CAS Number: 131631-89-5
IUPAC Name: N-[3-[4-[[4-(3,4-Dihydro-2-oxo-1(2H)-quinolinyl)-1-piperidinyl]carbonyl]phenoxy]propyl]-acetamide

Description:
Nonpeptide vasopressin V1 receptor antagonist. Displays greater affinity for rat V1 than human V1 (Kᵢ values are 25 and 8800 nM respectively). Exhibits 1000-fold selectivity for V1 receptors over V2 receptors. Orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₀H₂₁N₂O₄
Batch Molecular Weight: 449.54
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
- DMSO to 100 mM
- Ethanol to 25 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: