1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{32}H_{26}N_{4}O_{2}\cdot HCl \cdot 3H_{2}O \)

Batch Molecular Weight: 589.09

Physical Appearance: White solid

Solubility: DMSO to 100 mM ethanol to 20 mM with gentle warming

Storage: Desiccate at RT

2. ANALYTICAL DATA

HPLC: Shows 99.8% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>65.25</td>
<td>65.03</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.65</td>
<td>5.72</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>9.51</td>
<td>9.58</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Conivaptan hydrochloride

CAS Number: 168626-94-6

IUPAC Name: \(N\)-[4-\{(4,5-Dihydro-2-methylimidazo[4,5-d][1]benzazepin-6(1H)-yl)carbonyl\}phenyl]-\[1,1'-Biphenyl\]-2-carboxamide hydrochloride

Description:
Very high affinity vasopressin V\(_1\)A and V\(_2\) antagonist (K\(_i\) values are 0.61 and 0.66 - 3.04 nM, respectively). Inhibits vasopressin-induced pressor responses in rats without altering blood pressure, and increases urine flow while decreasing urine osmolality. Orally bioavailable.

Physical and Chemical Properties:
Batch Molecular Formula: C\(_{32}\)H\(_{26}\)N\(_4\)O\(_2\).HCl.3H\(_2\)O
Batch Molecular Weight: 589.09
Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:

![Batch Molecular Structure Image]

Storage: Desiccate at RT

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 20 mM with gentle warming

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: