1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{38}\text{H}_{42}\text{N}_{4}\text{O}_{6}\cdot2\text{HCl} \cdot \frac{1}{2}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 732.7

Physical Appearance: Off-white solid

Solubility: Water to 25 mM

Storage: Store at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.5 \) (Chloroform: Methanol: Ammonia soln. [95:4.5:0.5])

HPLC: Shows 99.0% purity

\(^1\text{H} \text{NMR:}\) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>62.29</td>
<td>62.34</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.19</td>
<td>6.22</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>7.65</td>
<td>7.63</td>
</tr>
</tbody>
</table>

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

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Product Information

Product Name: Naloxonazine dihydrochloride
Catalog No.: 0591  Batch No.: 5
CAS Number: 880759-65-9
IUPAC Name: Bis-[5-α,4,5-Epoxy-3,14-dihydroxy-17-(2-propenyl)-morphinan-6-yldene] hydrazine dihydrochloride

Description:
Potent opioid antagonist, selective for μ₁ receptors.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₆H₃₆N₂O₆·2HCl·½H₂O
Batch Molecular Weight: 732.7
Physical Appearance: Off-white solid
Minimum Purity: >98%

Batch Molecular Structure:

![Molecular Structure Image]

Storage: Store at RT

Solubility & Usage Info:
water 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: