1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{19}\text{H}_{21}\text{NO}_{4}\text{ClNa.1\frac{1}{2}\text{H}_{2}\text{O}} \)

Batch Molecular Weight: 412.84

Physical Appearance: White solid

Solubility: Water to 100 mM

Storage: Store at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: \( R_f = 0.23 \) (Dichloromethane:Methanol [4:1])

HPLC: Shows >99.21% purity

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

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
<th>Sodium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>55.28</td>
<td>5.86</td>
<td>3.39</td>
<td>5.57</td>
</tr>
<tr>
<td>Found</td>
<td>55.21</td>
<td>5.76</td>
<td>3.04</td>
<td>5.29</td>
</tr>
</tbody>
</table>
Product Name: BRL 37344, sodium salt
Catalog No.: 0948
Batch No.: 5

CAS Number: 127299-93-8
IUPAC Name: \((R^*,R^*)\)-(±)-4-[2-[(2-(3-Chlorophenyl)-2-hydroxyethyl)amino]propyl]phenoxyacetic acid, sodium salt

**Description:**
Potent and selective \(\beta_3\) adrenoceptor agonist (\(K_i\) values are 287, 1750 and 1120 nM for \(\beta_3\), \(\beta_1\) and \(\beta_2\) receptors respectively).

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** \(C_{19}H_{23}NO_4ClNa.1\frac{1}{2}H_2O\)
- **Batch Molecular Weight:** 412.84
- **Physical Appearance:** White solid
- **Minimum Purity:** ≥98%

**Storage:** Store at RT

**Solubility & Usage Info:**
water 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.

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**References:**