1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{21}\text{H}_{27}\text{NO}_2\cdot\text{HCl} \)
Batch Molecular Weight: 361.91
Physical Appearance: White solid
Solubility: water to 10 mM, DMSO to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.38 \) (Dichloromethane:Methanol:Ammonia soln. [90:9:1])
HPLC: Shows 98.2% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \( [\alpha]_D = -24.1 \) (Concentration = 0.5, Solvent = Methanol)
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>69.69</td>
<td>69.67</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>7.8</td>
<td>7.65</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>3.87</td>
<td>3.88</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: SR 59230A hydrochloride
Catalog No.: 1511
Batch No.: 5

CAS Number: 1135278-41-9
IUPAC Name: 1-(2-Ethylphenoxy)-3-[[1(S),1,2,3,4-tetrahydro-1-naphthalenyl]amino]-(2S)-2-propanol hydrochloride

Description:
Potent and selective β₃ adrenoceptor antagonist (IC₅₀ values are 40, 408 and 648 nM for β₃, β₁ and β₂ receptors respectively). Orally active in vivo. Also available as part of the β-Adrenoceptor Antagonist Tocriset™.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₁H₂₇NO₂.HCl
Batch Molecular Weight: 361.91
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
- water to 10 mM
- DMSO 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.

References: