Product Name: SR 58611A Catalog No.: 3986 Batch No.: 1
CAS Number: 121524-09-2
IUPAC Name: \[[(7S)-7-[[2R]-2-(3-chlorophenyl)-2-hydroxyethyl]amino]-5,6,7,8-tetrahydro-2-naphthalenyl]oxy]acetic acid ethyl ester hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{22}\text{H}_{26}\text{ClNO}_{4}\cdot\text{HCl} \).
   Batch Molecular Weight: 440.36
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
   Storage: Desiccate at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   TLC: \( R_f = 0.25 \) (Ethyl acetate)
   HPLC: Shows 99% purity
   \(^1\text{H} \) NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Optical Rotation: \( [\alpha]_D = -82 \) (Concentration = 0.5, Solvent = Methanol)
   Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
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<tr>
<td>Hydrogen</td>
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<tr>
<td>Nitrogen</td>
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<td>3.29</td>
</tr>
</tbody>
</table>

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

**Product Name:** SR 58611A  
**Catalog No.:** 3986  
**Batch No.:** 1

### Description:
Selective β3-adrenergic receptor agonist. Displays both anxiolytic and antidepressant effects in rodent models. Orally active and brain penetrant.

### Physical and Chemical Properties:
- **Batch Molecular Formula:** C\textsubscript{22}H\textsubscript{26}ClNO\textsubscript{3}.HCl.
- **Batch Molecular Weight:** 440.36
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

### Storage:
Desiccate at RT

### Solubility & Usage Info:
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: