Product Name: Alrenolol hydrochloride
Catalog No.: 2806
Batch No.: 3
CAS Number: 13707-88-5
EC Number: 237-244-4
IUPAC Name: 1-[(1-Methylethyl)amino]-3-[2-(2-propenyl)phenoxy]-2-propanol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: $C_{15}H_{23}NO_2\cdot HCl$
   Batch Molecular Weight: 285.81
   Physical Appearance: White solid
   Solubility: Water to 100 mM
   Storage: Desiccate at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   TLC: $R_f = 0.06$ (Dichloromethane: Methanol [95:5])
   HPLC: Shows 100% purity
   $^1$H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
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<tbody>
<tr>
<td>Carbon</td>
<td>63.04</td>
<td>63.07</td>
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<tr>
<td>Hydrogen</td>
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<tr>
<td>Nitrogen</td>
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</tbody>
</table>
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CAS Number: 13707-88-5

IUPAC Name: 1-[(1-Methy lethyl)amino]-3-[2-(2-propenyl)phenoxy]-2-propanol hydrochloride

Description:
β-adrenoceptor (β₂ > β₁ > β₃) and 5-HT₁₆ receptor antagonist.

Physical and Chemical Properties:
- Batch Molecular Formula: C₁₅H₂₃NO₂.HCl
- Batch Molecular Weight: 285.81
- Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:

Storage: Desiccate 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.

References: