Product Name: A 68930 hydrochloride

Catalog No.: 1534
Batch No.: 6

CAS Number: 130465-39-3
IUPAC Name: cis-(±)-1-(Aminomethyl)-3,4-dihydro-3-phenyl-1H-2-benzopyran-5,6-diol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{16}H_{17}NO_{3}.HCl
Batch Molecular Weight: 307.78
Physical Appearance: Off-white solid
Solubility: water to 50 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.26 \) (Dichloromethane:Methanol:Ammonia soln. [90:9:1])
HPLC: Shows >99.4% purity
\(^1H\) NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
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<tr>
<td>Theoretical</td>
<td>62.44</td>
<td>5.89</td>
<td>4.55</td>
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<tr>
<td>Found</td>
<td>62.2</td>
<td>5.83</td>
<td>4.52</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: A 68930 hydrochloride
Catalog No.: 1534    Batch No.: 6

CAS Number:    130465-39-3
IUPAC Name:  \( \text{cis}(\pm)-1-(\text{Aminomethyl})-3,4\text{-dihydro-3-phenyl-1H-2-benzopyran-5,6-diol hydrochloride} \)

Description:
Potent and selective D1-like dopamine receptor agonist (EC\textsubscript{50} values are 2.1 and 3910 nM for D\textsubscript{1}-like and D\textsubscript{2}-like receptors respectively). Centrally active following systemic administration in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{10}H\textsubscript{17}NO\textsubscript{5}\cdot\text{HCl}
Batch Molecular Weight: 307.78
Physical Appearance: Off-white solid

Minimum Purity: >98%

Storage: Desiccate at +4°C

Solubility & Usage Info:
Water to 50 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: