Product Name: (+)-PD 128907 hydrochloride  
Catalog No.: 1243  
Batch No.: 4  
CAS Number: 300576-59-4  
IUPAC Name: (4aR,10bR)-3,4a,4,10b-Tetrahydro-4-propyl-2H,5H-[1]benzopyrano[4,3-b]-1,4-oxazin-9-ol hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{14}H_{19}NO_{3}.HCl.\frac{1}{4}H_{2}O  
Batch Molecular Weight: 290.27  
Physical Appearance: White solid  
Solubility: water to 10 mM  
Storage: Desiccate at +4°C  

2. ANALYTICAL DATA

HPLC: Shows 99.8% purity  
Chiral HPLC: Shows 99.8% purity  
^1H NMR: Consistent with structure  
Mass Spectrum: Consistent with structure  
Optical Rotation: [\alpha]_D = +84.1 (Concentration = 1.07, Solvent = Water)  
Microanalysis:  
<table>
<thead>
<tr>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>57.93</td>
<td>7.12</td>
</tr>
<tr>
<td>Found</td>
<td>58.3</td>
<td>7.14</td>
</tr>
</tbody>
</table>
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CAS Number: 300576-59-4
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Description:
High affinity D₃ dopamine receptor agonist (Kᵢ = 2.3 nM). Displays 18 - 200-fold selectivity over other dopamine receptor subtypes.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₄H₁₉NO₃.HCl.½H₂O
Batch Molecular Weight: 290.27
Physical Appearance: White solid
Minimum Purity: >99%
Batch Molecular Structure:

Storage: Desiccate at +4°C

Solubility & Usage Info:
water to 10 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:
