1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{30}\text{H}_{39}\text{NO}_4\cdot\text{HCl} \)
Batch Molecular Weight: 514.1
Physical Appearance: Off-white solid
Solubility:
- Water to 25 mM
- Ethanol to 50 mM
- DMSO to 50 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.38 \) (Ethyl acetate:Petroleum ether [10:2])
Melting Point: At 133°C
HPLC: Shows >98.7% purity
\(^1H\) NMR: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>70.09</td>
<td>70.25</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>7.84</td>
<td>7.93</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>2.72</td>
<td>2.68</td>
</tr>
</tbody>
</table>
**Product Name:** GR 32191 hydrochloride  
**Catalog No.:** 1958  
**Batch No.:** 1

**CAS Number:** 85505-64-2  
**IUPAC Name:** (4Z)-7-[[1R,2R,3S,5S]-5-[[1,1'-Biphenyl]-4-ylmethoxy]-3-hydroxy-2-(1-piperidinyl)cyclopentyl]-4-heptenoic acid hydrochloride

**Description:**  
Potent thromboxane A₂ (TP) receptor antagonist. Inhibits platelet aggregation (pA₂ ~ 8.3) and relaxes vascular and airway smooth muscle (pA₂ = 7.9 - 10.3).

**Physical and Chemical Properties:**  
Batch Molecular Formula: C₉₀H₇₉NO₄.HCl  
Batch Molecular Weight: 514.1  
Physical Appearance: Off-white solid  
Minimum Purity: >98%

**Storage:** Desiccate at +4°C

**Solubility & Usage Info:**  
- Water to 25 mM  
- Ethanol to 50 mM  
- DMSO 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:**  