1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{13}\text{H}_{12}\text{N}_{2}\text{O}_{2}\cdot \text{HCl} \cdot \frac{1}{2}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 273.72

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows >99.9% purity

\(^1\)H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>57.05 5.16 10.23</td>
<td></td>
</tr>
<tr>
<td>Found</td>
<td>57.42 5.23 10.25</td>
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</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Ozagrel hydrochloride

CAS Number: 78712-43-3

IUPAC Name: (2E)-3-[4-(1H-Imidazol-1-ylmethyl)phenyl]-2-propenoic acid hydrochloride

Description:
Potent and selective inhibitor of thromboxane (TXA₂) synthetase (IC₅₀ = 4 nM). Does not inhibit prostacyclin (PGI₂) synthetase, cyclooxygenase or PGE₂ isomerase (IC₅₀ > 1 mM). Inhibits platelet aggregation in vitro and arachidonate-induced arterial contraction in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₃H₁₂N₂O₂·HCl·½H₂O
Batch Molecular Weight: 273.72
Physical Appearance: White solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Store 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:
