Product Name: GR 144053 trihydrochloride
Catalog No.: 1263  Batch No.: 2
CAS Number: 1215333-48-4
IUPAC Name: 4-[4-[4-(Aminoiminomethyl)phenyl]-1-piperazinyl]-1-piperidineacetic acid trihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C$_{18}$H$_{27}$N$_{5}$O$_{2}$·3HCl·3H$_{2}$O
Batch Molecular Weight: 508.87
Physical Appearance: Tan solid
Solubility: water to 100 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: $R_f = 0.15$ (Pyridine:Acetic acid:Water:Butanol [3:8:11:14])
Melting Point: At 209°C (dec)
HPLC: Shows >99.3% purity
$^1$H NMR: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>42.49</td>
<td>7.13</td>
<td>13.76</td>
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<tr>
<td>Found</td>
<td>42.26</td>
<td>6.75</td>
<td>13.37</td>
</tr>
</tbody>
</table>

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CAS Number: 1215333-48-4
IUPAC Name: 4-[4-[4-(Aminoiminomethyl)phenyl]-1-piperazinyl]-1-piperidineacetic acid trihydrochloride

Description:
A potent and selective platelet fibrinogen receptor glycoprotein IIb/IIIa (GpIIb/IIIa) antagonist (IC<sub>50</sub> = 37 nM). Orally active and highly effective at inhibiting thrombus formation in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>18</sub>H<sub>27</sub>N<sub>2</sub>O<sub>2</sub>·3HCl·3H<sub>2</sub>O
Batch Molecular Weight: 508.87
Physical Appearance: Tan solid

Minimum Purity: >99%

Storage: Desiccate at +4°C

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:

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