Product Name: Prostaglandin F$_{2\alpha}$
Catalog No.: 4214
Batch No.: 2
CAS Number: 38562-01-5
EC Number: 254-002-3
IUPAC Name: 9$_{\alpha}$,11$_{\alpha}$,15S-Trihydroxy-prosta-5Z,13E-dien-1-oic acid tris(hydroxymethyl)aminomethane salt

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C$_{20}$H$_{34}$O$_5$.C$_4$H$_{11}$NO$_3$
   Batch Molecular Weight: 475.62
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM ethanol to 100 mM
   Storage: Store at -20°C

2. ANALYTICAL DATA

   HPLC: Shows 100% purity
   $^1$H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>60.61</td>
<td>60.59</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>9.54</td>
<td>9.69</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>2.94</td>
<td>2.98</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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CAS Number: 38562-01-5
IUPAC Name: $9\alpha,11\alpha,15\alpha$-Trihydroxy-prosta-5Z,13E-dien-1-oic acid tris(hydroxymethyl)aminomethane salt

Description:

Physical and Chemical Properties:
Batch Molecular Formula: C$_{20}$H$_{34}$O$_6$C$_4$H$_7$NO$_3$
Batch Molecular Weight: 475.62
Physical Appearance: White solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol 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: