Product Name: Prostaglandin F$_{2\alpha}$
Catalog No.: 4214
Batch No.: 3
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
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 98.6% purity
   $^1$H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis: Carbon Hydrogen Nitrogen
                  Theoretical 60.61 9.54 2.94
                  Found 60.35 9.7 3.09

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

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Description:

Physical and Chemical Properties:
Batch Molecular Formula: C$_{20}$H$_{34}$O$_5$.C$_4$H$_7$NO$_3$
Batch Molecular Weight: 475.62
Physical Appearance: White solid
Minimum Purity: >98%

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: