1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{20}\text{H}_{31}\text{NaO}_5$

Batch Molecular Weight: 374.45

Physical Appearance: White solid

Solubility:
- Water to 100 mM
- DMSO to 75 mM

Storage: Desiccate at -80°C

Batch Molecular Structure:

![Batch Molecular Structure Diagram]

2. ANALYTICAL DATA

HPLC: Shows 99.2% purity

Mass Spectrum: Consistent with structure
Product Name: Epoprostenol

CAS Number: 61849-14-7

Description:
Endogenous prostanoid that is a potent agonist at IP prostanoid receptors. Inhibits platelet aggregation and induces vasodilation.

Physical and Chemical Properties:
Batch Molecular Formula: C_{28}H_{37}NaO_{5}
Batch Molecular Weight: 374.45
Physical Appearance: White solid

Minimum Purity: >99%

Storage: Desiccate at -80°C

Solubility & Usage Info:
water to 100 mM
DMSO to 75 mM

CAUTION - This product is extremely hygroscopic and we recommend that it is desiccated upon arrival.

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: