Product Name: Prostaglandin E₂
CAS Number: 363-24-6
IUPAC Name: (5Z,11α,13E,15S)-11,15-Dihydroxy-9-oxo-prosta-5,13-dien-1oic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₃₂O₅
Batch Molecular Weight: 352.47
Physical Appearance: White solid
Solubility: DMSO to 100 mM, ethanol to 45 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<tr>
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<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<td>68.15</td>
<td>9.15</td>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

**Product Name:** Prostaglandin E₂
**Catalog No.:** 2296
**Batch No.:** 9
**EC Number:** 206-656-6

**CAS Number:** 363-24-6
**IUPAC Name:** (5Z,11α,13E,15S)-11,15-Dihydroxy-9-oxo-prosta-5,13-dien-1oic acid

**Description:**

**Physical and Chemical Properties:**
**Batch Molecular Formula:** C₂₀H₁₂O₅
**Batch Molecular Weight:** 352.47
**Physical Appearance:** White solid
**Minimum Purity:** >98%

**Storage:** Store at -20°C
**CAUTION -** This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol to 45 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:**