Product Name: 15-deoxy-Δ^{12,14}-Prostaglandin J₂
Catalog No.: 2306
Batch No.: 5
CAS Number: 87893-55-8
IUPAC Name: (5Z,12E,14E)-11-Oxo-prosta-5,9,12,14-tetraen-1-oic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{20}\text{H}_{28}\text{O}_3 \)
   Batch Molecular Weight: 316.44
   Physical Appearance: Colourless liquid
   Solubility: Soluble in Methyl acetate (supplied pre-dissolved - 1mg/ml)
   Storage: Store at -20°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 98.1% purity
   Mass Spectrum: Consistent with structure
Product Name: 15-deoxy-\(\Delta^{12,14}\)-Prostaglandin J2
Catalog No.: 2306  
Batch No.: 5

CAS Number: 87893-55-8
IUPAC Name: \((5Z,12E,14E)-11\text{-Oxo-prosta-5,9,12,14-tetraen-1-oic acid}\)

Description:
Selective PPAR\(\gamma\) agonist that induces adipocyte differentiation in C3H10T1/2 fibroblasts (EC\(_{50}\) = 7 \(\mu\)M).

Physical and Chemical Properties:
- Batch Molecular Formula: \(\text{C}_{20}\text{H}_{28}\text{O}_{3}\)
- Batch Molecular Weight: 316.44
- Physical Appearance: Colourless liquid
- Minimum Purity: >95%

Storage: Store at -20°C

Solubility & Usage Info:
Soluble in Methyl acetate (supplied pre-dissolved - 1mg/ml)
This compound is supplied pre-dissolved in Methyl acetate (1mg/ml). To change the solvent, evaporate the methyl acetate under a gentle stream of nitrogen and immediately add the chosen solvent (preferably purged with nitrogen beforehand). The solubility of 15-deoxy-D-12,14-Prostaglandin J2 is greater than 25mM in both DMSO and Ethanol. Aqueous solutions of this product should be stored on ice and used within 12 hours of preparation.

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: