Product Name: 5-Oxo-ETE
Catalog No.: 1796     Batch No.: 3
CAS Number: 106154-18-1
IUPAC Name: 5-Oxo-(6E,8Z,11Z,14Z)-6,8,11,14-eicosatetraenoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES
   
   Batch Molecular Formula: $\text{C}_{20}\text{H}_{30}\text{O}_3$
   
   Batch Molecular Weight: 318.46
   
   Physical Appearance: Clear solution
   
   Solubility: Soluble in ethanol (supplied pre-dissolved in Ethanol, 0.1mg/ml)
   
   Storage: Store at -80°C
   
   Batch Molecular Structure:

   ![Batch Molecular Structure Image]

2. ANALYTICAL DATA
   
   HPLC: Shows 99.6% purity
   
   Mass Spectrum: Consistent with structure
Product Name: 5-Oxo-ETE
CAS Number: 106154-18-1
IUPAC Name: 5-Oxo-(6E,8Z,11Z,14Z)-6,8,11,14-eicosatetraenoic acid

Description:
Potent oxoeicosanoid (OXE) receptor agonist (EC₅₀ = 0.33 nM). Chemotaxtractant for both neutrophils and eosinophils and induces transendothelial migration of eosinophils.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₀H₃₀O₃
Batch Molecular Weight: 318.46
Physical Appearance: Clear solution
Minimum Purity: >95%

Storage: Store at -80°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:
Soluble in ethanol (supplied pre-dissolved in Ethanol, 0.1mg/ml)
This product is supplied dissolved in ethanol at a concentration of 100μg/ml

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: