Product Name: AACOCF$_3$

CAS Number: 149301-79-1

IUPAC Name: 1,1,1-Trifluoro-6Z,9Z,12Z,15Z-heneicosatetraen-2-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C$_{21}$H$_{31}$F$_3$O

Batch Molecular Weight: 356.47

Physical Appearance: Colourless liquid

Solubility: Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)

Storage: Desiccate at -20°C

Batch Molecular Structure:

![Molecular Structure Image]

2. ANALYTICAL DATA

TLC: $R_f = 0.4$ (Ethyl acetate:Petroleum ether [5:95])

$^1$H NMR: Consistent with structure

$^{13}$C NMR: Consistent with structure

Mass Spectrum: Consistent with structure
Product Name: AACOCF$_3$

CAS Number: 149301-79-1

IUPAC Name: 1,1,1-Trifluoro-6Z,9Z,12Z,15Z-heneicosatetraen-2-one

Description:
Inhibitor of cytosolic (85 kDa) phospholipase $A_2$. Also inhibits fatty acid amide hydrolase (FAAH, anandamide amidase) in vitro.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{21}$H$_3$I$_3$O
Batch Molecular Weight: 356.47
Physical Appearance: Colourless liquid

Batch Molecular Structure:

Storage: Desiccate 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:
Soluble in ethanol (supplied pre-dissolved in anhydrous ethanol, 5mg/ml)
This product is supplied dissolved in anhydrous ethanol at a concentration of 5mg/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: