
Product Data Sheet

Product Name: Stearidonic Acid ethyl ester

Cat. No.: GC18576

Chemical Properties

Cas. No. 119798-44-6

Chemical Name 6Z,9Z,12Z,15Z-octadecatetraenoic acid, ethyl ester

SMILES CC/C=C\C/C=C\C/C=C\C/C=C\C\CCCC(OCC)=OFormula $C_{20}H_{32}O_2$ M.Wt 304.5Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, Ethanol: PBS (pH7.2)(1:2): .25 mg/ml
Store
Storage at -
20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Stearidonic acid (18:4 ω -3) is a rare polyunsaturated fatty acid of the ω -3 series. In normal humans, it represents less than 0.25% of serum phospholipid fatty acids. It is present in certain natural oils such as echium and black currant seed, and to the extent that these oils are incorporated into nutraceuticals, stearidonic acid can become a significant polyunsaturate in the human diet. Stearidonic acid ethyl ester is an ester version of the free acid that is less water soluble, but more amenable for the formulation of stearidonate-containing diets and dietary supplements.

Caution: Product has not been fully validated for medical applications. For research use only.

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