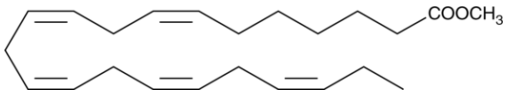
Product Data Sheet

Product Name: all-cis-7,10,13,16,19-Docosapentaenoic Acid methyl ester
Cat. No.: GC40290

Chemical Properties

Cas. No.	108698-02-8		
SMILES	CC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\CCCCCC(OC)=O		
Formula	C23H36O2	M.Wt	344.5
Solubility	0.1 M Na2CO3: 1 mg/ml,DMF: >100 mg/ml,DMSO: >100 mg/ml,Ethanol: Miscible	Storage	Store 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

Docosapentaenoic acid is an ω-3 fatty acid found in fish oils. It is a minor constituent of the total serum unsaturated fatty acids in humans, ranging from 0.1 to 1%, and increases on dietary supplementation. DPA methyl ester is a more lipid-soluble form of DPA. ω-3 and ω-6 fatty acids are typically analyzed using gas chromatography after their conversion to fatty acid methyl esters. In addition, the methyl ester form of DPA may serve as a prodrug, since it should facilitate uptake of DPA and then be hydrolyzed by esterases to generate the free acid after uptake into cells.

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