Product Data Sheet

Product Name: 1,2,3-Trieicosapentaenoyl-rac-glycerol
Cat. No.: GC41770

Chemical Properties

Cas. No.	99660-94-3		
SMILES	O=C(CCC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C/C=C\CC)OCC(OC(CCC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C/C=C\CC)=O)COC(CCC/C=C\C/C=C\C/C=C\		
Formula	$C_{63}H_{92}O_6$	M.Wt	94
Solubility	DMF: 10 mg/ml,Ethanol: 10 mg/ml,Ethanol:PBS(pH 7.2) (1:1): 0.5mg/ml	Storage	St
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be 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	1,2,3-Trieicosapentaenoyl-rac-glycerol		

Background

1,2,3-Trieicosapentaenoyl-rac-glycerol (EPA-TG) is a glycerol ester of eicosapentaenoic acid , which is an ω-3 fatty acid. An EPA-TG emulsion, administered i.v., lowers leukotriene B4 production by 40% in polymorphonuclear leukocytes from rabbits and reduces platelet aggregation. It suppresses natural killer cell activity both in vitro and in vivo, in human lymphocytes and murine spleens, respectively, with the in vivo effects lasting up to seven days.

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