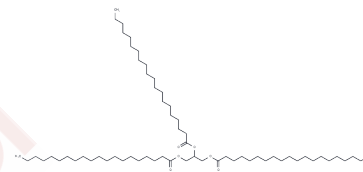


## Triarachidin

## Chemical Properties

CAS No. :	620-64-4
Formula:	C63H122O6
Molecular Weight:	975.64
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Triarachidin (1,2,3-Trieicosanoyl Glycerol) is a triarachidic acid triglyceride. Triglycerides (TGs) are also known as triacylglycerols or triacylglycerides. TGs are the main constituent of vegetable oil and animal fats. TGs are major components of very low density lipoprotein (VLDL) and chylomicrons, play an important role in metabolism as energy sources and transporters of dietary fat. They contain more than twice the energy (9 kcal/g) of carbohydrates and proteins.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), Chloroform: 10 mg/mL (10.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.025 mL	5.1248 mL	10.2497 mL
5 mM	0.205 mL	1.025 mL	2.0499 mL
10 mM	0.1025 mL	0.5125 mL	1.025 mL
50 mM	0.0205 mL	0.1025 mL	0.205 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Holčapek, M., Dvořáková, H., Lída, M., Girón, A., Sandra, P., & Cvačka, J. (2010). Regioisomeric analysis of triacylglycerols using silver-ion liquid chromatography-atmospheric pressure chemical ionization mass spectrometry: Comparison of five different mass analyzers. *Journal Of Chromatography A*, 1217(52), 8186-8194. doi: 10.1016/j.chroma.2010.10.064

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