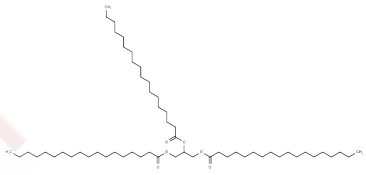
Data Sheet (Cat.No.T20320)

TargetMol

Tristearin

Chemical Properties



CAS No. : 555-43-1

Formula: C57H110O6

Molecular Weight: 891.48

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	Tristearin (Glycerol tristearate) is a natural product isolated from the leaves and stems of Hoag's Hooker with anti-tumor activity.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1217 mL	5.6087 mL	11.2173 mL
5 mM	0.2243 mL	1.1217 mL	2.2435 mL
10 mM	0.1122 mL	0.5609 mL	1.1217 mL
50 mM	0.0224 mL	0.1122 mL	0.2243 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

Hamam F, et al. Acidolysis of tristearin with selected long-chain fatty acids. J Agric Food Chem. 2007;55(5):1955-1960.

Green NL, et al. Interfacial ordering of tristearin induced by glycerol monooleate and PGPR: A coarse-grained molecular dynamics study. Colloids Surf B Biointerfaces. 2019;179:107-113.

Bergstedt SE, et al. A comparison of absorption of glycerol tristearate and glycerol trioleate by rat small intestine. Am J Physiol. 1990;259(3 Pt 1):G386-G393.

Wang Y, et al. Comparative evaluation of static and dynamic simulated digestion models. J Sci Food Agric. 2023;103(12):5893-5903.

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