

Trimyristin

Chemical Properties

CAS No. : 555-45-3

Formula: C₄₅H₈₆O₆

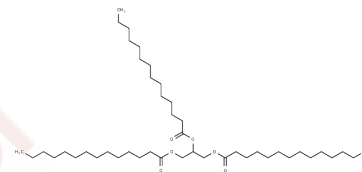
Molecular Weight: 723.16

Keep away from direct sunlight, Keep away from moisture

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	Trimyristin (Tritetradecanoin) is primarily located in the membrane (predicted from logP) and adiposome. glyceryl trimyristate exists in all eukaryotes, ranging from yeast to humans. In humans, glyceryl trimyristate is involved in the metabolic disorder called de novo triacylglycerol biosynthesis glyceryl trimyristate pathway.
Targets(IC50)	Endogenous Metabolite, Cholinesterase (ChE), Phosphatase

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3828 mL	6.9141 mL	13.8282 mL
5 mM	0.2766 mL	1.3828 mL	2.7656 mL
10 mM	0.1383 mL	0.6914 mL	1.3828 mL
50 mM	0.0277 mL	0.1383 mL	0.2766 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

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- Lesot P , Serhan Z , Aroulanda C , et al. Analytical contribution of NAD 2D-NMR spectroscopy in polypeptide mesophases to the investigation of triglycerides[J]. *Magnetic Resonance in Chemistry*, 2012, 50(S1):S2-S11.
- Jaiswal P , Singh D K , Singh V K , et al. Enzyme Inhibition by Molluscicidal Components of *Myristica fragrans* Houtt. in the Nervous Tissue of Snail *Lymnaea acuminata*[J]. *Enzyme Research*,2010,(22009-12-3), 2009, 2010:478746.
- Jin S E S . Cellular delivery of cationic lipid nanoparticle-based SMAD3 antisense oligonucleotides for the inhibition of collagen production in keloid fibroblasts.[J]. *European Journal of Pharmaceutics & Biopharmaceutics*, 2012, 82 (1):19-26.

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