

Tricaprin

Chemical Properties

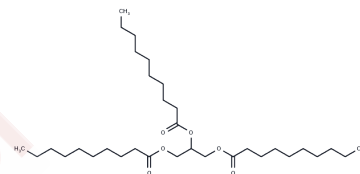
CAS No. : 621-71-6

Formula: C₃₃H₆₂O₆

Molecular Weight: 554.84

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Glycerol Tridecanoate is an orally active precursor (DA precursor) of caprylic acid that can be hydrolyzed to caprylic acid. It is a major component of medium chain triglycerides (MCT) and has antiandrogenic and antihyperglycemic properties. It can be used as an additive in food, pharmaceuticals and cosmetics.
Targets(IC50)	Androgen Receptor,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (180.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (5.95 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8023 mL	9.0116 mL	18.0232 mL
5 mM	0.3605 mL	1.8023 mL	3.6046 mL
10 mM	0.1802 mL	0.9012 mL	1.8023 mL
50 mM	0.036 mL	0.1802 mL	0.3605 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

Fujikawa H, et al. Flavor production from edible oils and their constituents by *Penicillium corylophilum*. *Shokuhin Eiseigaku Zasshi*. 2002 Jun;43(3):160-4.

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