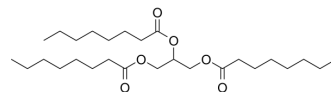


Tricaprilin

Cat. No.:	HY-B1804		
CAS No.:	538-23-8		
Molecular Formula:	C ₂₇ H ₅₀ O ₆		
Molecular Weight:	470.68		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 41.67 mg/mL (88.53 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.1246 mL	10.6229 mL	21.2459 mL
		5 mM	0.4249 mL	2.1246 mL	4.2492 mL
10 mM		0.2125 mL	1.0623 mL	2.1246 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.42 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.42 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.42 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tricaprilin (Trioctanoin) is used in study for patients with mild to moderate Alzheimer's disease and has a role as an anticonvulsant and a plant metabolite ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Tricaprylin

[2]. Kwok MK, et al. Re-thinking Alzheimer's disease therapeutic targets using gene-based tests. EBioMedicine. 2018 Nov;37:461-470.

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

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