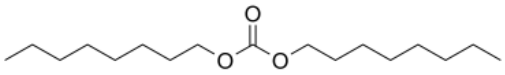
Product Data Sheet

Product Name: Dicaprylyl carbonate
Cat. No.: GC60769

Chemical Properties

Cas. No.	1680-31-5		
SMILES	O=C(OCCCCCCCC)OCCCCCCCC		
Formula	$C_{17}H_{34}O_3$	M.Wt	286.45
Solubility	DMSO : ≥ 12.5 mg/mL (43.64 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Dicaprylyl carbonate, a solid, plant-derived fat, is a dry emollient. Dicaprylyl carbonate has excellent dermatological compatibility and a comprehensive performance profile, such as solubilizing and dispersing ability for sun-care filters[1].

Dicaprylyl carbonate has a respective shininess value of 389.8. Dicaprylyl carbonate is evaluated as having a matte to satiny finish[2].

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. JumatSalimon, et al. Industrial development and applications of plant oils and their biobased oleochemicals. Arabian Journal of Chemistry, Volume 5, Issue 2, April 2012, Pages 135-145. [2]. HÉIÈne de Clermont-Gallerande, et al. Relations between the sensory properties and fat ingredients of lipsticks. OCL 2018, 25(5), D502.