

Product Data Sheet

Product Name: Dicaprylyl carbonate

Cat. No.: GC60769

Chemical Properties

Cas. No. 1680-31-5

SMILES O=C(OCCCCCCCC)OCCCCCCCC

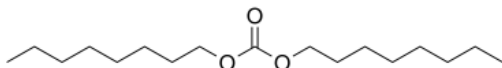
Formula $C_{17}H_{34}O_3$ M.Wt 286.45

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]. JumaSalimon, 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]. HÉLÈNE de Clermont-Gallerande, et al. Relations between the sensory properties and fat ingredients of lipsticks. OCL 2018, 25(5), D502.

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