

Product Data Sheet

Product Name: γ -Decanolactone

Cat. No.: GD08334

Chemical Properties

Cas. No. 706-14-9

Formula C₁₀H₁₈O₂

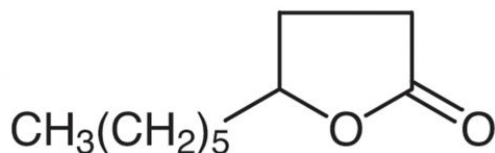
M.Wt 170.249

Solubility DMSO : 100 mg/mL (587.37 mM; Storage
Need ultrasonic)

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

Gamma-decalactone, 纬-decalactone is used as an essential food additive with a ruity peach flavor. Ricinoleic acid (12-hydroxy-octadec-9-enoic acid) is used as the substrate in most production processes of 纬-decalactone.

[1]. Guan S, et al. Enhanced Biotransformation Productivity of Gamma-Decalactone from Ricinoleic Acid Based on the Expanded Vermiculite Delivery System. J Microbiol Biotechnol. 2019 Jul 28;29(7):1071-1077.

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

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[2]. Pereira de Andrade D, et al. Production of 缁-Decalactone by Yeast Strains under 鈥—ifferent Conditions. Food Technol Biotechnol. 2017 Jun;55(2):225-230.

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