
Product Data Sheet

Product Name: 1-Tetradecanol

Cat. No.: GC61641

Chemical Properties

Cas. No. 112-72-1

SMILES CCCCCCCCCCCCCCO

Formula C₁₄H₃₀O

M.Wt 214.39

Solubility DMSO : 100 mg/mL (466.44 mM; Need ultrasonic) 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**

1-Tetradecanol, isolated from *Myristica fragrans*, is a straight-chain saturated fatty alcohol. 1-Tetradecanol possesses antibacterial and anti-inflammatory (periodontitis) activity[1].

[1]. XiaoyeGeng, et al. Design and fabrication of reversible thermochromic microencapsulated phase change materials for thermal energy storage and its antibacterial activity. *Energy*. Volume 159, 15 September 2018, Pages 857-869.

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

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