

Product Data Sheet

Product Name: 1-Hexanol

Cat. No.: GC61723

Chemical Properties

Cas. No. 111-27-3

SMILES OCCCCCC

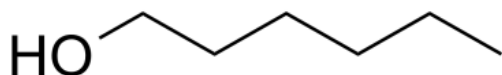
Formula $C_6H_{14}O$ M.Wt 102.17

Solubility Ethanol : 100 mg/mL (978.76 mM; Storage Store at -20°C
Need ultrasonic); Soluble in DMSO

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-Hexanol, a primary alcohol, is a surfactant that can be employed in industrial processes to enhance interfacial properties[1]. 1-Hexanol uncouples mitochondrial respiration by a non-protonophoric mechanism[2].

[1]. Cuong V Nguyen, et al. Surface potential of 1-hexanol solution: comparison with methyl isobutyl carbinol. J Phys Chem B. 2013 Jun 27;117(25):7615-20. [2]. M Canton, et al. The nature of

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

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uncoupling by n-hexane, 1-hexanethiol and 1-hexanol in rat liver mitochondria. Biochim Biophys Acta. 1996 May 20;1274(1-2):39-47.

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