

Product Data Sheet

Product Name: Ethyl 3-hydroxybutyrate

Cat. No.: GC60820

Chemical Properties

Cas. No. 5405-41-4

SMILES CC(O)CC(=O)OCC

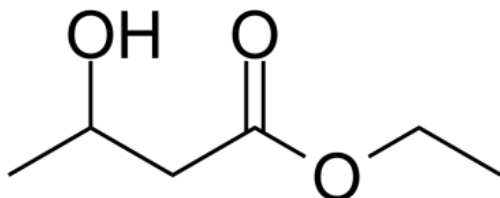
Formula $C_6H_{12}O_3$ M.Wt 132.16

Solubility DMSO : 100 mg/mL (756.66 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

Ethyl 3-hydroxybutyrate is a fragrance found in wine and *Tribolium castaneum*[1][2].

[1]. Ortega C, et al. Fast analysis of important wine volatile compounds development and validation of a new method based on gas chromatographic-flame ionisation detection analysis of dichloromethane microextracts. J Chromatogr A. 2001 Jul 20;923(1-2):205-14. [2]. Jonfia-Essien WA, et al. Behavioural responses of *Tribolium castaneum* (Herbst) to volatiles identified from dry cocoa

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

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beans. Pak J Biol Sci. 2007 Oct 15;10(20):3549-56.

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