

Product Data Sheet

Product Name: Ethyl acetoacetate

Cat. No.: GC60821

Chemical Properties

Cas. No. 141-97-9

SMILES CC(CC(OCC)=O)=O

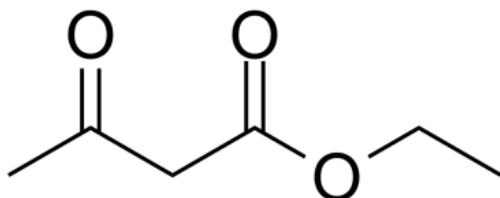
Formula $C_6H_{10}O_3$ M.Wt 130.14

Solubility H_2O : 100 mg/mL (768.40 mM; Need ultrasonic); DMSO : 100 mg/mL (768.40 mM; Need ultrasonic) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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 acetoacetate (Ethyl acetylacetate) is an ester widely used as an intermediate in the synthesis of many varieties of compounds[1][2][3]. Ethyl acetoacetate is an inhibitor of bacterial biofilm[4].

[1]. Rao M.Uppu, et al. Enantioselective catalytic asymmetric hydrogenation of ethyl acetoacetate in room temperature ionic liquids. Biochemical and Biophysical Research Communications. 1996 Dec;

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

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229(3):764-769. [2]. Leo F. Salter, et al. A dual-frequency Belousov Zhabotinskii oscillating reaction with ethyl acetoacetate as organic substrate. substrate. International Journal of Chemical Kinetics. 1982. 14(8), 815-821. [3]. Iqbal S, et al. 2-Oxo-1,2,3,4-tetrahydropyrimidines Ethyl Esters as Potent β - Glucuronidase Inhibitors: One-pot Synthesis, In vitro and In silico Studies. Med Chem. 2018;14(8):818-830. [4]. Horne SM, et al. Acetoacetate and ethyl acetoacetate as novel inhibitors of bacterial biofilm. Lett Appl Microbiol. 2018 Apr;66(4):329-339.

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