
Product Data Sheet

Product Name: 3-Hydroxyglutaric Acid dimethyl ester

Cat. No.: GC42290

Chemical Properties

Cas. No. 7250-55-7

SMILES O=C(CC(O)CC(OC)=O)OCFormula $C_7H_{12}O_5$

M.Wt 176.2

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, PBS
(pH 7.2): 10 mg/mlStorage 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**

3-Hydroxyglutaric acid dimethyl ester is a prochiral substrate and an esterified derivative of 3-hydroxyglutaric acid. 3-Hydroxyglutaric acid dimethyl ester was used to characterize the ability of a lipase from *C. antarctica* to catalyze aminolysis of prochiral substrates, a process commonly utilized in the biosynthesis of statins.

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

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