

Product Data Sheet

Product Name: Dihydroxyacetone phosphate

Cat. No.: GC35865

Chemical Properties

Cas. No. 57-04-5

SMILES O=C(COP(=O)(O)=O)CO

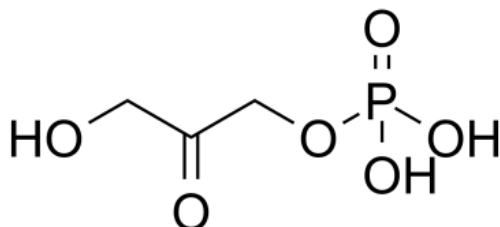
Formula $C_3H_7O_6P$ M.Wt 170.06

Solubility Soluble in DMSO 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

Dihydroxyacetone phosphate is an important intermediate in lipid biosynthesis and in glycolysis. It is a biochemical compound involved in many metabolic pathways, including the Calvin cycle in plants and glycolysis. Dihydroxyacetone phosphate is found to be associated with transaldolase deficiency, which is an inborn error of metabolism[1][2].

[1]. Qungang Qi, et al. The role of the triose-phosphate shuttle and glycolytic intermediates in fatty-acid and glycerolipid biosynthesis in pea root plastids. S.A. Planta (1994) 194: 193. [2].

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

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