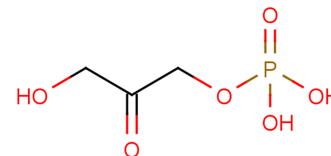


Dihydroxyacetone phosphate

Chemical Properties

CAS No.:	57-04-5
Formula:	C ₃ H ₇ O ₆ P
Molecular Weight:	170.06
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Dihydroxyacetone phosphate is an important intermediate for lipid biosynthesis and glycolysis. It is a biochemical compound involved in many metabolic pathways, including the Calvin cycle and glycolysis in plants. It was found that dihydroxyacetone phosphate is related to the lack of transaldolase, which is a congenital metabolic error.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.88 mL	29.401 mL	58.803 mL
5 mM	1.176 mL	5.88 mL	11.761 mL
10 mM	0.588 mL	2.94 mL	5.88 mL
50 mM	0.118 mL	0.588 mL	1.176 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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. Dihydroxyacetone phosphate

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481