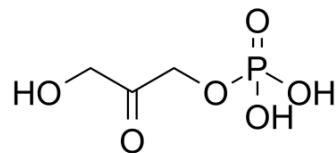


## Dihydroxyacetone phosphate

Cat. No.:	HY-113131
CAS No.:	57-04-5
Molecular Formula:	C <sub>3</sub> H <sub>7</sub> O <sub>6</sub> P
Molecular Weight:	170.06
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

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<sup>[1][2]</sup>.

### REFERENCES

[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

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

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