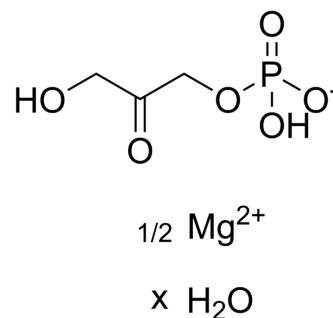


Dihydroxyacetone phosphate hemimagnesium hydrate

Cat. No.:	HY-113131A
Molecular Formula:	$C_3H_7O_6P \cdot \frac{1}{2}Mg \cdot xH_2O$
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (Infinity mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	Dihydroxyacetone phosphate hemimagnesium hydrate 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 hemimagnesium hydrate is found to be associated with transaldolase deficiency, which is an inborn error of metabolism ^{[1][2]} .
IC₅₀ & Target	Human Endogenous Metabolite

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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