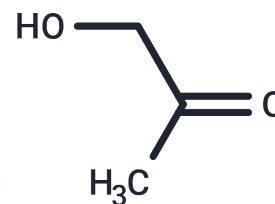


## Hydroxyacetone

## Chemical Properties

CAS No. :	116-09-6
Formula:	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>
Molecular Weight:	74.08
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Hydroxyacetone is a dehydration product of ketones and glycerol, applicable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 80 mg/mL (1079.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (44.55 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.4989 mL	67.4946 mL	134.9892 mL
5 mM	2.6998 mL	13.4989 mL	26.9978 mL
10 mM	1.3499 mL	6.7495 mL	13.4989 mL
50 mM	0.270 mL	1.3499 mL	2.6998 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sauter W, et al. Hydroxyacetone: A Glycerol-Based Platform for Electrocatalytic Hydrogenation and Hydrodeoxygenation Processes. ChemSusChem. 2017 Aug 10;10(15):3105-3110.

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