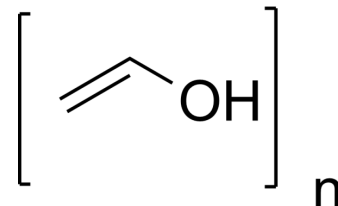


## Polyvinyl alcohol

Cat. No.:	HY-Y0850		
CAS No.:	9002-89-5		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (ultrasonic and warming and heat to 60°C) H <sub>2</sub> O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

### BIOLOGICAL ACTIVITY

<b>Description</b>	Polyvinyl alcohol is a biodegradable semi-crystalline synthetic polymer with a high degree of biocompatibility in vitro and in vivo. Polyvinyl alcohol can be used in the study of drug delivery system in cancer <sup>[1][2]</sup> .
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### REFERENCES

[1]. Rivera-Hernández G, et al. Polyvinyl alcohol based-drug delivery systems for cancer treatment. Int J Pharm. 2021 May 1;600:120478.

[2]. Fang Liu, et al. Effect of Polyvinyl Alcohol on the Rheological Properties of Cement Mortar. Molecules. 2020 Feb 10;25(3):754.

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

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