

Dextran (MW 70000)

Cat. No.:	HY-112624B
CAS No.:	9004-54-0
Molecular Weight:	70000
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

Dextran (MW 70000)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (1.43 mM; Need ultrasonic)					
	DMSO : 100 mg/mL (1.43 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.0143 mL	0.0714 mL	0.1429 mL
5 mM			---	---	---	
10 mM		---	---	---		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (0.04 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (0.04 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Dextran (MW 70000) is a complex carbohydrate polymer consisting of glucose molecules linked by glycosidic bonds. Dextran has excellent solubility in water, making it useful as a viscosity modifier or stabilizer in foods, paints and adhesives. In the biomedical field, dextran is often used as a plasma expander because of its ability to increase blood volume when administered intravenously. It can also be modified to create dextran-based drug delivery systems, such as targeted nanoparticles.
In Vitro	Dextran (MW 70000) is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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