

Dextran (MW 40000)

Cat. No.: HY-112624C
CAS No.: 9004-54-0
Molecular Weight: 40000
Target: Endogenous Metabolite; Biochemical Assay Reagents
Pathway: Metabolic Enzyme/Protease; Others
Storage: 4°C, sealed storage, away from moisture

Dextran (MW 40000)

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (2.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	1 mg	5 mg	10 mg
1 mM	0.0250 mL	0.1250 mL	0.2500 mL	
5 mM	---	---	---	
10 mM	---	---	---	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dextran (MW 40000) 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.

IC₅₀ & Target

Human Endogenous Metabolite

In Vitro

Dextran (MW 40000) 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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