

Dextran (MW 40000)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 40000

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Dextran (MW 40000) is a complex carbohydrate polymer made up of glucose molecules linked by glycosidic bonds. Highly soluble in water, dextran serves as a viscosity modifier or stabilizer in foods, paints, and adhesives. In medicine, it is often used as a plasma expander due to its ability to increase blood volume when administered intravenously. Additionally, it can be modified to develop dextran-based drug delivery systems, such as targeted nanoparticles.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.025 mL	0.125 mL	0.250 mL
5 mM	0.005 mL	0.025 mL	0.050 mL
10 mM	0.0025 mL	0.0125 mL	0.025 mL
50 mM	0.0005 mL	0.0025 mL	0.005 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.

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