

## Dextran T70 (MW 70,000)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage:

Keep away from moisture,Keep away from direct sunlight

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 T70 (MW 70,000) is a high-molecular-weight polysaccharide composed of glucose monomers linked through glycosidic bonds. Dextran T70 exhibits high water solubility and functions as a viscosity regulator and stabilizer in industrial formulations such as food, paints, and adhesives. In biomedical contexts, Dextran T70 acts as a plasma expander to restore blood volume and can be modified to form dextran-based nanoparticles for targeted drug delivery applications.
Targets(IC50)	Others

## Solubility Information

Solubility	H2O: 80 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Chen F, et al. Preparation and application of dextran and its derivatives as carriers. Int J Biol Macromol. 2020 Feb 15;145:827-834.

Massia SP, et al. Surface-immobilized dextran limits cell adhesion and spreading. Biomaterials. 2000 Nov;21(22):2253-61.

Prabhu S S. Low molecular weight dextran[J]. Indian Journal of Dermatology, Venereology and Leprology, 2001, 67: 228.

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