



Product Information

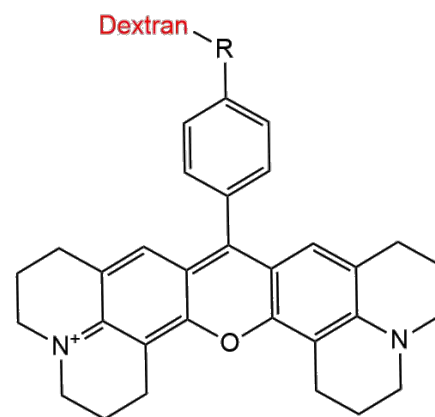
Red dextran, MW 3,000-5,000, DS 0.1-1%

Cat. No.: X24-05-XQ001

Size: 1 mg; 5 mg; 10 mg; 25 mg; 100 mg

Synonym: Red dextran 4; Dextran derivatives

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Red dextran is a substance from carefully analyzed dextran fractions combined with red-shifted dye and provided as a water-soluble purple powder. At a pH of 9.0 in borate buffer, it possesses an absorbance peak frequency of 583 nm and an emission wavelength reaching 602 nm. Red dextran is a high-quality product with a molecular weight of 3,000-5,000 and a degree of substitution of 0.001-0.01.
Molecular Weight	3,000-5,000
Emission	602 ± 3 nm
Degree of Substitution	0.1-1%
Form	Light purple powder
Solubility	Red dextran dissolves readily in water.
Identity	Confirmed by NMR/HPLC/MS.
Applications	Red dextran with a molecular weight of 3,000-5,000 and DS of 0.001-0.01 can be used for the study of nano-drug delivery systems, the permeability of biological membranes, and research into microcirculation patterns due to its properties of bright fluorescence, high chemical stability, and absence of pH dependence.
Storage	Red dextran is stable for more than 6 years when stored dry in well-sealed containers at ambient temperature