

TRITC-dextran, MW 70,000

**Chemical Properties**

CAS No. :

Formula:

Molecular Weight:

Storage: 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	TRITC-dextran, MW 70,000 (Tetramethyl rhodamine isothiocyanate glucan, MW 70000) is a fluorescent probe with a molecular weight of 70 kDa and an excitation wavelength of 555 nm. TRITC-dextran, MW 70,000 (Tetramethyl rhodamine isothiocyanate glucan, MW 70000) is widely employed in biomedical research applications involving molecular transport, permeability assessment, and delivery system characterization because the tetramethyl rhodamine isothiocyanate fluorophore remains stable across a broad pH range (pH 2-11) and exhibits substantial resistance to photobleaching. These properties support the utilization of TRITC-dextran, MW 70,000 (Tetramethyl rhodamine isothiocyanate glucan, MW 70000) in experimental investigations of biological barriers, cellular uptake mechanisms, and biomaterial-based delivery platforms.
Targets(IC50)	Others

**Solubility Information**

Solubility	H2O: 40 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Sun X, et al. Clathrin Light Chain B Drives Hepatocellular Carcinoma Progression Through Dual Mechanisms: Small Extracellular Vesicle-Mediated Angiogenesis and the NF- $\kappa$ B-PCLAF Signaling Axis. Adv Sci (Weinh). 2025;12(42): e08613.

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