

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)
------------	--

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481