

TRITC-dextran (MW 70000)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 70000

Keep away from direct sunlight, 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	TRITC-dextran (MW 70000) is a fluorescently labeled dextran with a molecular weight of approximately 70 kDa and an excitation wavelength of 555 nm, and due to the high photostability of TRITC across a pH range of 2-11 combined with strong resistance to photobleaching, TRITC-dextran (MW 70000) is frequently applied in drug delivery research, vascular permeability studies, and fluorescence-based tracking of macromolecular transport.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 40 mg/mL (0.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0143 mL	0.0714 mL	0.1429 mL
5 mM	0.0029 mL	0.0143 mL	0.0286 mL
10 mM	0.0014 mL	0.0071 mL	0.0143 mL
50 mM	0.0003 mL	0.0014 mL	0.0029 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.

Reference

Tran NBNN, et al., Gradient-dependent release of the model drug TRITC-dextran from FITC-labeled BSA hydrogel nanocarriers in the hair follicles of porcine ear skin. Eur J Pharm Biopharm. 2017 Jul;116:12-16.

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