

TRITC-dextran, MW 70000

Cat. No.:	HY-158082C		
Molecular Weight:	70000		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

TRITC-dextran, MW 70000

SOLVENT & SOLUBILITY

In Vitro H₂O : 50 mg/mL (0.71 mM; Need ultrasonic)

BIOLOGICAL ACTIVITY

Description

TRITC-dextran, MW 70000 (Tetramethyl rhodamine isothiocyanate glucan, MW 70000) is a fluorescent dye, with the molecular weight of 70 kD. TRITC-dextran, MW 70000 exhibits an excitation wavelength of 555 nm. TRITC-dextran, MW 70000 is utilized in drug delivery for the stability of TRITC over a wide pH range (i.e. pH 2–11) and resistance to photo-bleaching^[1] [2][3].

REFERENCES

- [1]. 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.
- [2]. Kawoos U, et al., N-acetylcysteine Amide Ameliorates Blast-Induced Changes in Blood-Brain Barrier Integrity in Rats. *Front Neurol.* 2019 Jun 26;10:650.
- [3]. Somaratne G, et al., In-situ disintegration of egg white gels by pepsin and kinetics of nutrient release followed by time-lapse confocal microscopy[J]. *Food hydrocolloids*, 2020, 98: 105228.

Caution: Product has not been fully validated for medical applications. For research use only.

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