

TRITC-dextran, MW 20000

Cat. No.:	HY-158082A
Molecular Weight:	20000
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

TRITC-dextran, MW 20000

BIOLOGICAL ACTIVITY

Description

TRITC-dextran, MW 20000 (Tetramethyl rhodamine isothiocyanate glucan, MW 20000) is a fluorescent dye, with the molecular weight of 20 kD. TRITC-dextran MW 20000 exhibits an excitation wavelength of 555 nm. TRITC-dextran MW 20000 is vessel penetrate, which could label blood plasma to visualize the vasculature. TRITC-dextran MW 20000 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA