

## TRITC-dextran, MW 2000000

Cat. No.:	HY-158082H	
Molecular Weight:	2000000	
Target:	Fluorescent Dye	
Pathway:	Others	TRITC-dextran, MW 2000000
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

TRITC-dextran, MW 2000000 (Tetramethyl rhodamine isothiocyanate glucan, MW 2000000) is a fluorescent dye, with the molecular weight of 2000 kD. TRITC-dextran, MW 2000000 exhibits an excitation wavelength of 555 nm. TRITC-dextran, MW 2000000 is follicular and vessel penetrate, which is dependent on the molecular weight. TRITC-dextran, MW 2000000 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<sup>[1][2][3]</sup>.

### 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 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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