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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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TRITC-dextran, MW 4000

Cat. No.:	HY-158082		
Molecular Weight:	4000		
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 4000

SOLVENT & SOLUBILITY

In Vitro

H₂O : 10 mg/mL (2.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
1 mM		0.2500 mL	1.2500 mL	2.5000 mL
5 mM		---	---	---
10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TRITC-dextran MW 4000 (Tetramethyl rhodamine isothiocyanate glucan, MW 4000) is a fluorescent dye, with the molecular weight of 4 kD. TRITC-dextran MW 4000 exhibits an excitation wavelength of 555 nm. TRITC-dextran MW 4000 is vessel penetrate, which could label blood plasma to visualize the vasculature. TRITC-dextran MW 4000 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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