

Product Data Sheet

Product Name: TRITC-dextran, MW 40000

Cat. No.: GC26635

Chemical Properties

Cas. No.

Formula

M.Wt

40000.00

Solubility H₂O : 50 mg/mL

Storage

Store at -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

TRITC-dextran, MW 40000 (Tetramethyl rhodamine isothiocyanate glucan, MW 40000) is a fluorescent dye, with the molecular weight of 40 kD. TRITC-dextran MW 40000 exhibits an excitation wavelength of 555 nm. TRITC-dextran MW 40000 is vessel penetrate, which could label blood plasma to visualize the vasculature. TRITC-dextran MW 40000 is utilized in drug delivery for the stability of TRITC over a wide pH range and resistance to photo-bleaching[1][2][3].

[1]. Tran NBNN, et al., Gradient-dependent release of the model drug TRITC-dextran from FITC-

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

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labeled BSA hydrogel nanocarriers in the hair follicles of porcine ear skin. Eur J Pharm Biopharm. 2017 Jul;116:12-16. [Content Brief]

[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. [Content Brief]

[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.

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