

FITC-Dextran (MW 10000)

Cat. No.:	HY-128868
CAS No.:	60842-46-8
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

FITC-Dextran (MW 10000)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	FITC-Dextran (MW 10000) is a marker consisting of coupling fluorescein-isothiocyanate to dextran (10 kDa). FITC-Dextran are polysaccharides comprised of varying lengths of branched glucose molecules and can be used to determine solute, ion and protein permeability of the blood-brain barrier (BBB) based on the size of the dextran used ^{[1][2][3]} .
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CUSTOMER VALIDATION

- Biochem Biophys Res Commun. 2020 Dec 17;533(4):1276-1282.
- Exp Brain Res. 2020 Nov 12.
- Research Square Preprint. 2021 Jan.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Natarajan R, et al. Fluorescein Isothiocyanate (FITC)-Dextran Extravasation as a Measure of Blood-Brain Barrier Permeability. *Curr Protoc Neurosci*. 2017 Apr 10;79:9.58.1-9.58.15.
- [2]. Hoffmann A, et al. High and Low Molecular Weight Fluorescein Isothiocyanate (FITC)-Dextran to Assess Blood-Brain Barrier Disruption: Technical Considerations. *Transl Stroke Res*. 2011 Mar;2(1):106-11.
- [3]. Eriksson I, et al. Analysis of Lysosomal pH by Flow Cytometry Using FITC-Dextran Loaded Cells. *Methods Mol Biol*. 2017;1594:179-189.

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

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