

FITC-Dextran (MW 4000)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 4000

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

FITC-Dextran

Biological Description

Description	FITC-Dextran (MW 4000) is a marker composed of fluorescein isothiocyanate conjugated to 4 kDa dextran, widely used in microcirculation and cell permeability studies.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 80 mg/mL DMSO: 10 mg/mL (2.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.250 mL	1.250 mL	2.500 mL
5 mM	0.050 mL	0.250 mL	0.500 mL
10 mM	0.025 mL	0.125 mL	0.250 mL
50 mM	0.005 mL	0.025 mL	0.050 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Eriksson I, et al. Analysis of Lysosomal pH by Flow Cytometry Using FITC-Dextran Loaded Cells. Methods Mol Biol. 2017;1594:179-189.

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