

DEAE-dextran (MW 500000)

Chemical Properties

CAS No. : 9015-73-0

Formula:

Molecular Weight: 500000

Storage: Keep away from moisture, Keep away from direct sunlight
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	DEAE-Dextran (MW 500000) is a complex carbohydrate polymer composed of glucose molecules linked by glycosidic bonds and modified with diethylaminoethyl (DEAE) groups. As a cationic molecule, DEAE-Dextran functions as a transfection agent capable of delivering nucleic acids, such as DNA or RNA, into cells. Its positive charge interacts with negatively charged cell membranes to facilitate nucleic acid uptake. Additionally, DEAE-Dextran serves as an ion exchange chromatography resin, enabling the separation and purification of biomolecules based on their charge.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.002 mL	0.010 mL	0.020 mL
5 mM	0.0004 mL	0.002 mL	0.004 mL
10 mM	0.0002 mL	0.001 mL	0.002 mL
50 mM	0.000 mL	0.0002 mL	0.0004 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481