



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## DEAE-dextran, MW 500000 hydrochloride

Cat. No.:	HY-159067	
CAS No.:	9064-91-9	
Target:	Biochemical Assay Reagents	
Pathway:	Others	DEAE-dextran, MW 500000 (hydrochloride)
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

DEAE-dextran, MW 500000 hydrochloride (DEAE-dextran, MW 500000 hydrochloride, from bacterial (*Leuconostoc mesenteroides*)) is a high-molecular-weight positively charged polymer that significantly enhances the uptake of viral RNA by tissue culture cells. When employed in the delivery system for "tumor immunity" RNA-splenocyte transfer, DEAE-dextran can markedly extend the lifespan of tumor-bearing animals, comparable to that of actively immunized animals. Furthermore, DEAE-dextran serves as a complexing agent for nucleic acids, forming composite particles with DNA/RNA for extensive applications in gene delivery. Additionally, DEAE-dextran can be utilized as a coating for liposomes<sup>[1][2]</sup>.

### REFERENCES

- [1]. Rigby P G. Prolongation of survival of tumour-bearing animals by transfer of "immune" RNA with DEAE dextran[J]. *Nature*, 1969, 221(5184): 968-969.
- [2]. Siewert C, et al. Investigation of charge ratio variation in mRNA-DEAE-dextran polyplex delivery systems[J]. *Biomaterials*, 2019, 192: 612-620.

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

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