

## Product Data Sheet

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Product Name: Dextran sulfate sodium salt (MW 450000-550000)

Cat. No.: GC38251

### Chemical Properties

Cas. No. 9011-18-1

SMILES [Dextran sulfate sodium salt (MW 450000-550000)]

Formula M.Wt 450000-550000

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, PBS (pH 7.2): 10 mg/ml  
Storage Store at -20°C

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

Dextran sulfate sodium salt (MW 450000-550000)

### Background

Dextran sulfate sodium salt (MW 450000-550000) is a polymer of anhydroglucose with the molecular weight range of 450000-550000. Dextran sulfate sodium salt inhibits the replication of the human immunodeficiency virus by preventing the adsorption of the virus into host cells[1].

[1]. Baba M, et al. Mechanism of inhibitory effect of dextran sulfate and heparin on replication of human immunodeficiency virus in vitro. Proc Natl Acad Sci U S A. 1988 Aug;85(16):6132-6.

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

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