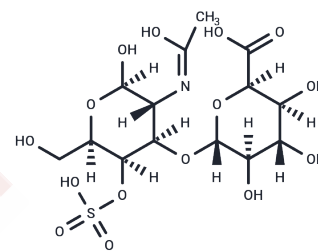


## Dermatan sulphate sodium

## Chemical Properties

CAS No. :	54328-33-5
Formula:	C <sub>14</sub> H <sub>23</sub> N <sub>0</sub> O <sub>15</sub> S
Molecular Weight:	477.39
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Dermatan sulphate sodium (Chondroitin sulfate B sodium salt) is a linear sulfated polysaccharide, a glycosaminoglycan component of several important proteoglycans, and an activating ligand for the kinase of mesenchymal lymphoma. Dermatan sulphate sodium is an anticoagulant, inhibiting thrombus. Dermatan sulphate sodium is an anticoagulant that inhibits thrombosis.
Targets(IC50)	Thrombin

## Solubility Information

Solubility	H <sub>2</sub> O: 80.00 mg/mL (167.58 mM), Sonication is recommended. DMSO: < 1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0947 mL	10.4736 mL	20.9472 mL
5 mM	0.4189 mL	2.0947 mL	4.1894 mL
10 mM	0.2095 mL	1.0474 mL	2.0947 mL
50 mM	0.0419 mL	0.2095 mL	0.4189 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.

Reference

Nenci GG. Dermatan sulphate as an antithrombotic drug. Pathophysiol Haemost Thromb. 2002 Sep-Dec;32(5-6): 303-7.

Xu J, et al. Effect of dermatan sulphate on a C57-mouse model of pulmonary fibrosis. J Int Med Res. 2019 Jun;47(6): 2655-2665.

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