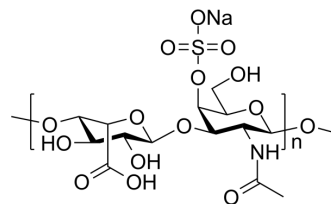


Dermatan sulphate sodium

Cat. No.:	HY-N8278
CAS No.:	54328-33-5
Target:	Thrombin
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic) DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)
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BIOLOGICAL ACTIVITY

Description	Dermatan sulphate sodium is a glycosaminoglycan and thrombin inactivator with antithrombotic activity. Dermatan sulphate sodium selectively catalyzes the inactivation of thrombin by heparin cofactor II and does not interact with antithrombin III. Dermatan sulphate sodium is highly bioavailable and also reduces Bleomycin (HY-108345)-induced pulmonary fibrosis damage ^{[1][2]} .
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REFERENCES

- [1]. Nenci GG. Dermatan sulphate as an antithrombotic drug. Pathophysiol Haemost Thromb. 2002 Sep-Dec;32(5-6):303-7.
- [2]. 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.

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

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