

Product datasheet

Heparin sodium salt ab270804

Overview

Product name	Heparin sodium salt
Description	Endogenous glycosaminoglycan with anticoagulant activity
Biological description	Endogenous glycosaminoglycan with anticoagulant activity. MW = 4,000-6,000 Da. Binds and activates antithrombin III; inhibits binding and activation of thrombin and Factor Xa. Potentially blocks bone and cartilage formation. Ligand for ALK oncogenic kinase. Used in the generation of kidney organoids from human pluripotent stem cells. Used in protocol to generate kidney organoids.
Purity	> 98%
CAS Number	9041-08-1

Properties

Chemical name	(4S,6R)-6-[(2R,4R)-4,6-Dihydroxy-5-(sulfoamino)-2-(sulfooxymethyl)oxan-3-yl]oxy-3,4-dihydroxy-5-sulfoxyoxane-2-carboxylic acid
PubChem identifier	22833565
Storage instructions	Shipped at Room Temperature. Store at +4°C.
Solubility overview	Soluble in water to 50 mg/mL
Handling	Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	<chem>CC(=O)N[C@@H]1[C@H]([C@@H]([C@H]([C@H](O[C@@H]1O[C@H]2[C@@H]([C@H]([C@@H](O[C@@H]2C(=O)O)O[C@H]3[C@@H]([C@H]([C@H](O[C@@H]3O)O[C@H]4[C@@H]([C@H](C(O[C@H]4C(=O)O)O)OS(=O)(=O)O)OS(=O)(=O)O)CS(=O)(=O)O)O)COS(=O)(=O)O)O)O</chem>

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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