



Product Information

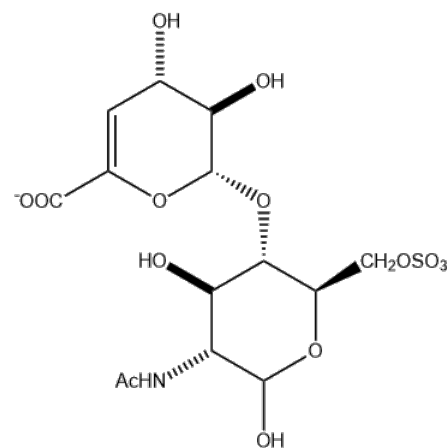
Heparin disaccharide mix from porcine intestinal mucosa, Solution

Cat. No.: X23-07-YM038

Size: 1 mL; 2 mgL; 5 mL

Synonym: Heparin disaccharide mix

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Heparin disaccharide mix from porcine intestinal mucosa undergoes production through the activity of bacterial heparinase enzymes on high-grade porcine heparin, followed by their isolation utilizing high-resolution gel filtration and ion exchange chromatography techniques.
IUPAC Name	Trisodium;(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i>)-2-[(2 <i>R</i> ,3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i>)-5-amino-4,6-dihydroxy-2-(sulfonatooxymethyl)oxan-3-yl]oxy-4-hydroxy-3-sulfonatooxy-3,4-dihydro-2 <i>H</i> -pyran-6-carboxylate
InChI	InChI=1S/C12H19NO16S2.3Na/c13-6-7(15)9(5(26-11(6)18)2-25-30(19,20)21)28-12-8(29-31(22,23)24)3(14)1-4(27-12)10(16)17;;;/h1,3,5-9,11-12,14-15,18H,2,13H2,(H,16,17)(H,19,20,21)(H,22,23,24);;/q;3*+1/p-3/t3-,5+,6+,7+,8+,9+,11?,12-;;;/m0.../s1
InChI Key	WHYGSGRAJJCXLY-LXROVJCJSA-K
Canonical SMILES	<chem>C1=C(OC(C(C1O)OS(=O)(=O)[O-])OC2C(OC(C(C2O)N)O)COS(=O)(=O)[O-])C(=O)[O-].[Na+].[Na+].[Na+]</chem>
Isomeric SMILES	<chem>C1=C(O[C@H]([C@@H]([C@H]1O)OS(=O)(=O)[O-])O[C@@H]2[C@H](OC([C@@H]([C@H]2O)N)O)COS(=O)(=O)[O-])C(=O)[O-].[Na+].[Na+].[Na+]</chem>
Form	Solution
Purity	≥95%, determined by HPLC.
Applications	Heparin disaccharide mix from porcine intestinal mucosa can be used for disaccharide analysis of heparin and heparan sulphate.
Storage	Store at -20°C.