

N-Desulfated Heparin

Catalog Number: C-NDSHEP-2MG
 C-NDSHEP-5MG

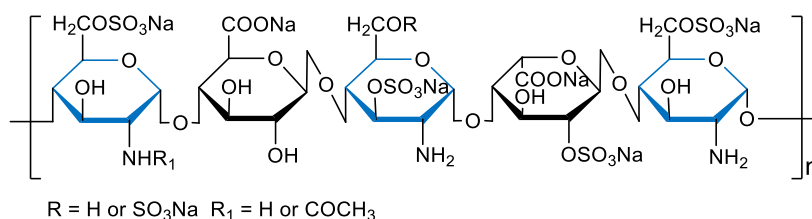
Quantity: 2 mg
 Quantity: 5 mg

Synonyms: None

CAS Number: 61932-66-9

Source: Derived from heparin from porcine intestinal mucosa

Product Description: N-desulfated heparin is prepared from heparin with N-sulfate groups selectively removed. It can be used as substrate of N-sulfotransferase and for other biological and biochemical researches.



Specifications:

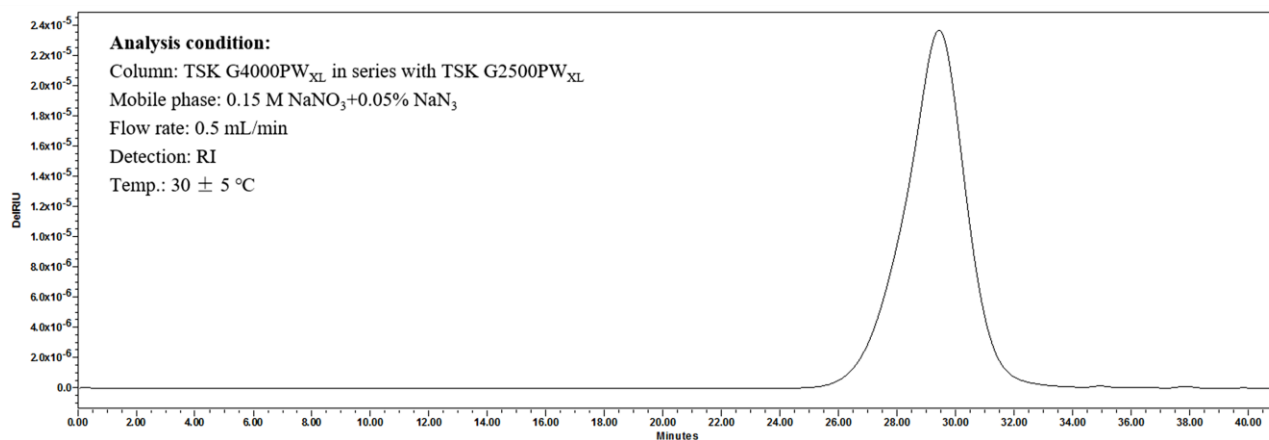
Sulfur content	7-8.5%	BaCl ₂ -gelatin assay ¹
Reduction of N-sulfate	>92	SAX-HPLC
Purity	>98%	High-performance gel permeation chromatography (HPGPC)
Uronic acid	42-48%	<i>m</i> -hydroxydiphenyl method ²
Average Molecular Weight (M _w , Da)	~12,000-15,000	HPGPC-MALLS
Structure Analysis	Pass	¹ H- and ¹³ C-NMR spectra
Solubility, 70 mg/mL, H ₂ O	Clear, Colorless to faint yellow	
Appearance	White to off white powder	

Storage/Stability: Store at room temperature in a dry and dark place until opened.

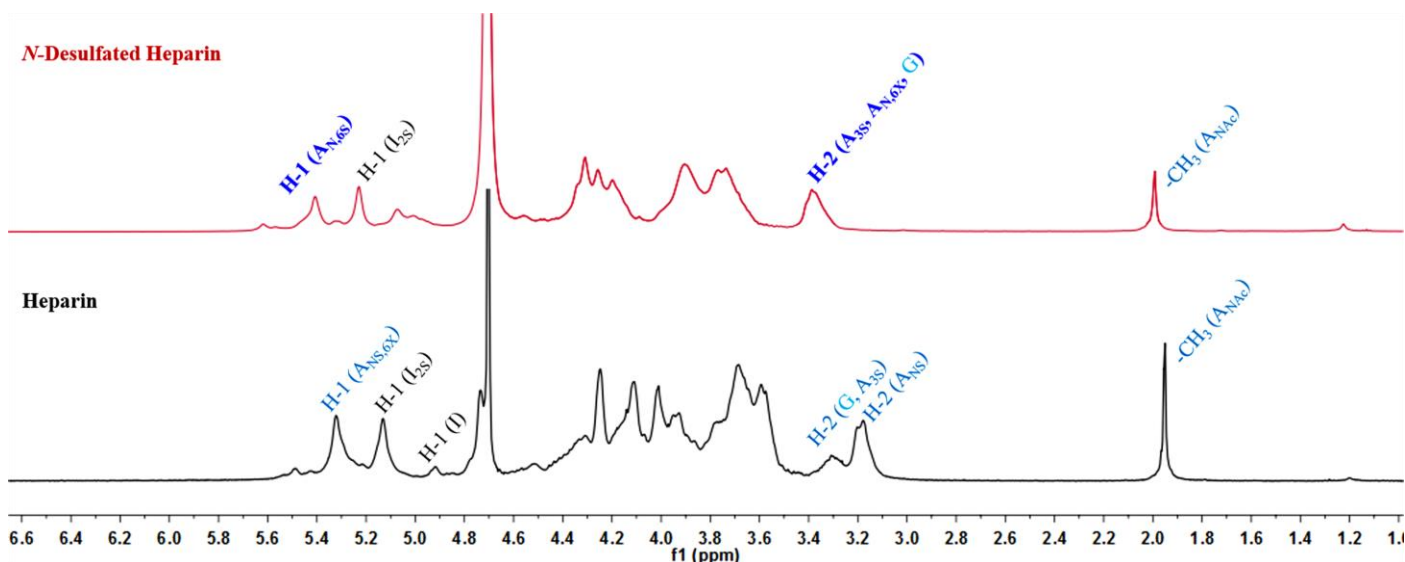
Related Products:

Product	Catalog Number
Heparin Sodium from Porcine Intestinal Mucosa	C-HEPPIM
Completely Desulfated Heparin	C-CDSHEP
2-O-Desulfated Heparin	C-2ODSHEP
6-O-Desulfated Heparin	C-6ODSHEP
Heparin Sodium from Bovine Lung	C-HEPBL
Completely Desulfated re N-Sulfated Heparin	C-CDSRNSHEP

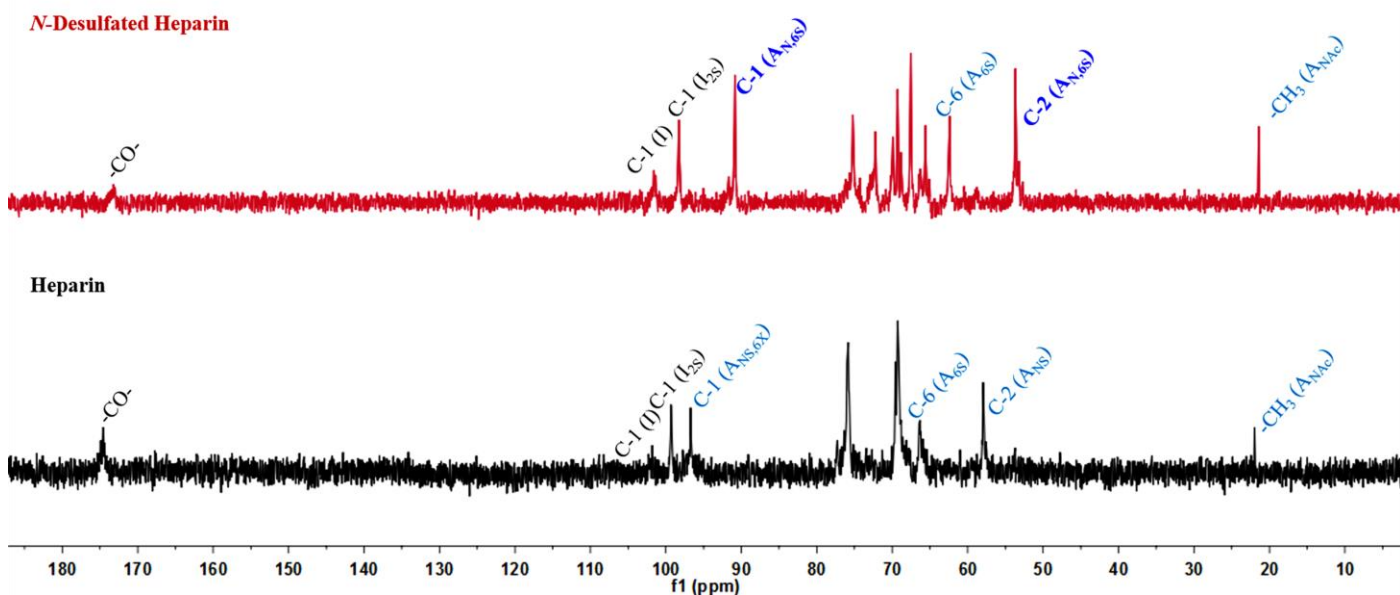
1. The purity analysis of *N*-desulfated heparin by HPGPC



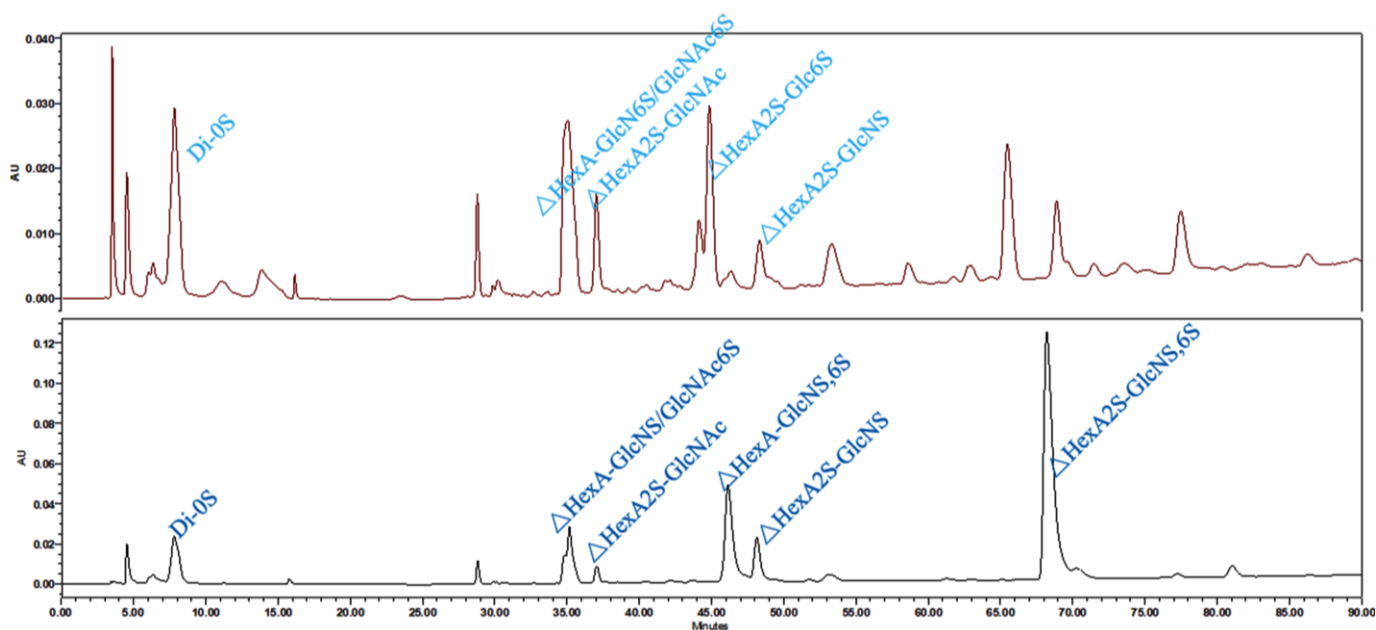
2. The ¹H-NMR spectrum of *N*-desulfated heparin³



3. The ¹³C-NMR spectrum of *N*-desulfated heparin⁴



4. Unsaturated disaccharide analysis by SAX-HPLC



References:

1. Dodgson, K.S. and R.G. Price. *Biochem J.* **84**(1): p. 106(1962).
2. Blumenkrantz, N. and G. Asboehansen. *Analytical Biochemistry.* **54**(2): p. 484(1973).
3. Guerrini, M., A. Bisio, and G. Torri. *Seminars in Thrombosis & Hemostasis.* **27**(5): p. 473(2001).
4. Yates, E.A., et al. *Carbohydrate Research.* **294**(294): p. 15(1996).