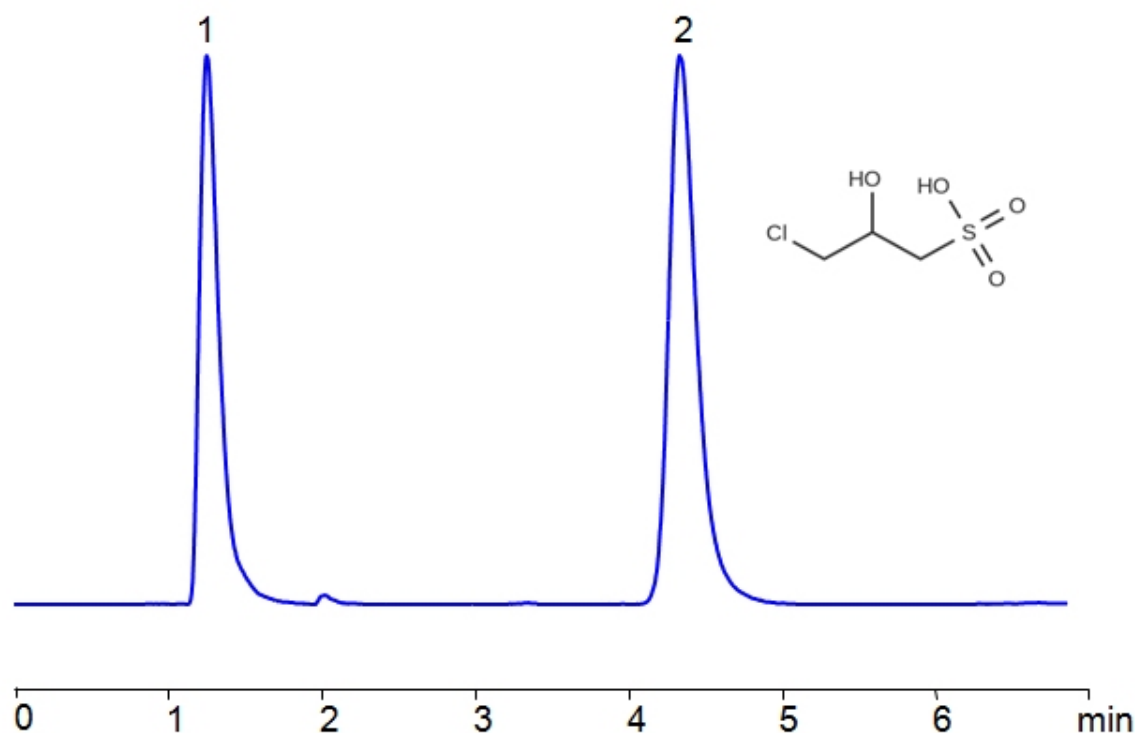


HPLC Method for Analysis of Sodium 3-chloro-2-hydroxypropane-1-sulfonate on Newcrom BH

<https://sielc.com/hplc-determination-of-sodium-3-chloro-2-hydroxypropane-1-sulfonate>

Chromatogram

1. Sodium
2. 3-chloro-2-hydroxypropane-1-sulfonate



Column:	Newcrom BH
Column size:	3.2 × 100 mm, 3 µm
Column part number:	NBH-32.100.0310
Mobile phase:	MeCN/H ₂ O – 10/90%
Buffer:	Ammonium Formate pH 3.0 – 40 mM
Flow rate:	0.5 mL/min
Detection:	ELSD

Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Sodium 3-chloro-2-hydroxypropane-1-sulfonate .

Sodium 3-chloro-2-hydroxypropane-1-sulfonate is an anionic agent with the chemical formula C₃H₆ClNaO₄S . It is used to prepare negatively charged probe particles to investigate the nanoporosity of cellulosic fibers and their interactions with cationic polyelectrolytes.

Sodium 3-chloro-2-hydroxypropane-1-sulfonate can be retained and analyzed using the Newcrom BH stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with an Ammonium Formate buffer. Detection is performed using ELSD

Method Parameters

Mobile Phase	MeOH/H ₂ O – 10/90%
Buffer	Ammonium Formate pH 3.0 – 40 mM
Flow Rate	0.5 ml/min
Detection	ELSD
Class of Compounds	Sulfonate
Analyzing Compounds	Sodium 3-chloro-2-hydroxypropane-1-sulfonate

HPLC Column Used

Newcrom BH, 3.2 x 100 mm, 3 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)