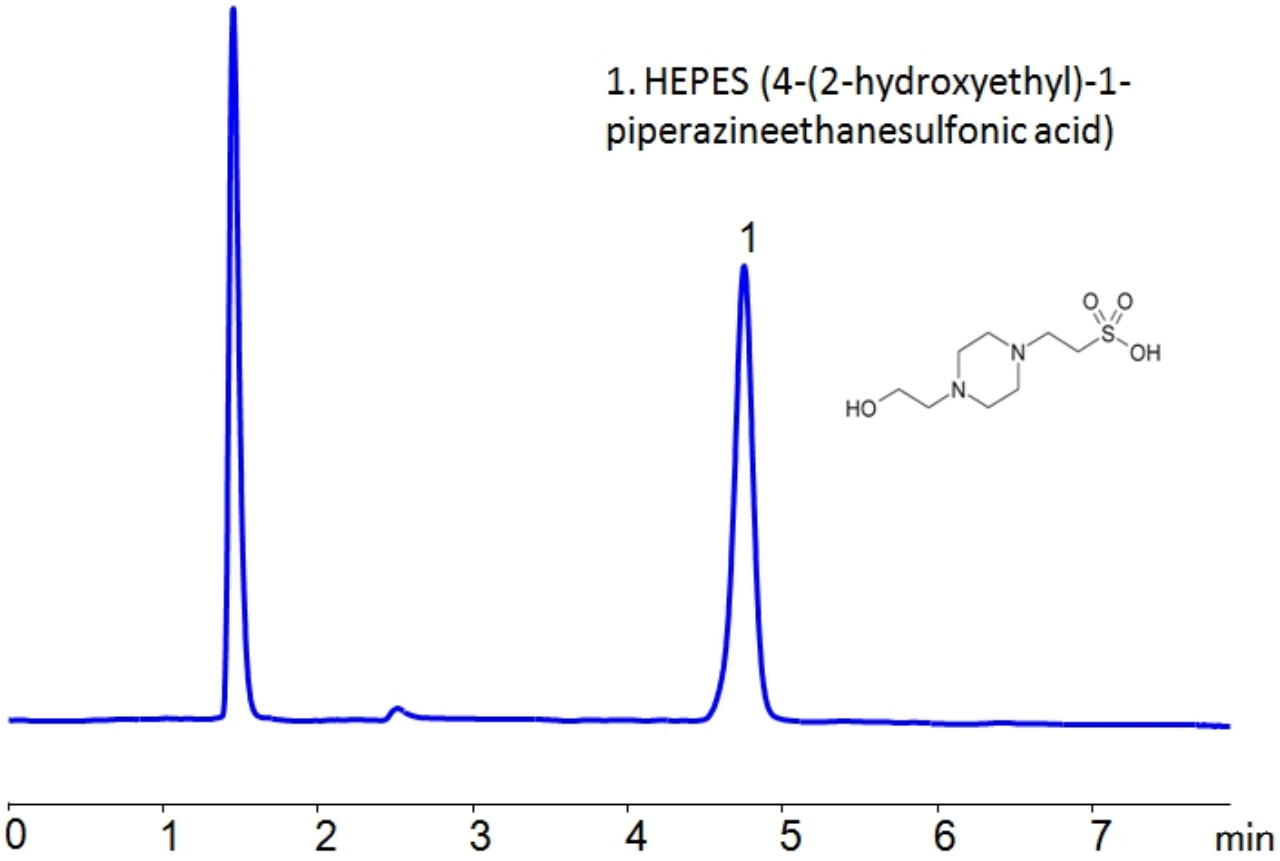
HPLC Determination of HEPES on Newcrom AH Column

https://sielc.com/hplc-determination-of-hepes-on-newcrom-ah-column

Chromatogram



Column:	Newcrom AH
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	H2O
Buffer:	Methanesulfonic acid - 10 mM
Flow rate:	1.0 mL/min
Detection:	Conductivity

Description

HEPES is a zwitterionic organic chemical buffering agent. It is a very polar compound which is not retained by traditional reverse phase chromatography. HEPES can be separated by mixed-mode hydrophilic interaction chromatography on the Newcrom AH mixed-mode column, which has both hydrophobic and cationic exchange properties. The mobile phase consists of H2O and Methanesulfonic acid. It can be detected using a conductivity detector.

Method Parameters

Mobile Phase	H2O- 100%

Buffer	Methanesulfonic acid – 10 mM
Flow Rate	1.0 ml/min
Detection	Conductivity
Class of Compounds	Hydrophilic
Analyzing Compounds	HEPES (4-(2-hydroxyethyl)-1-piperazineethanesulfonic Acid)

HPLC Column Used

Newcrom AH, 4.6 x 150 mm, 5 µm, 100 A, dual ended

Order this column at hplc-shop.de →