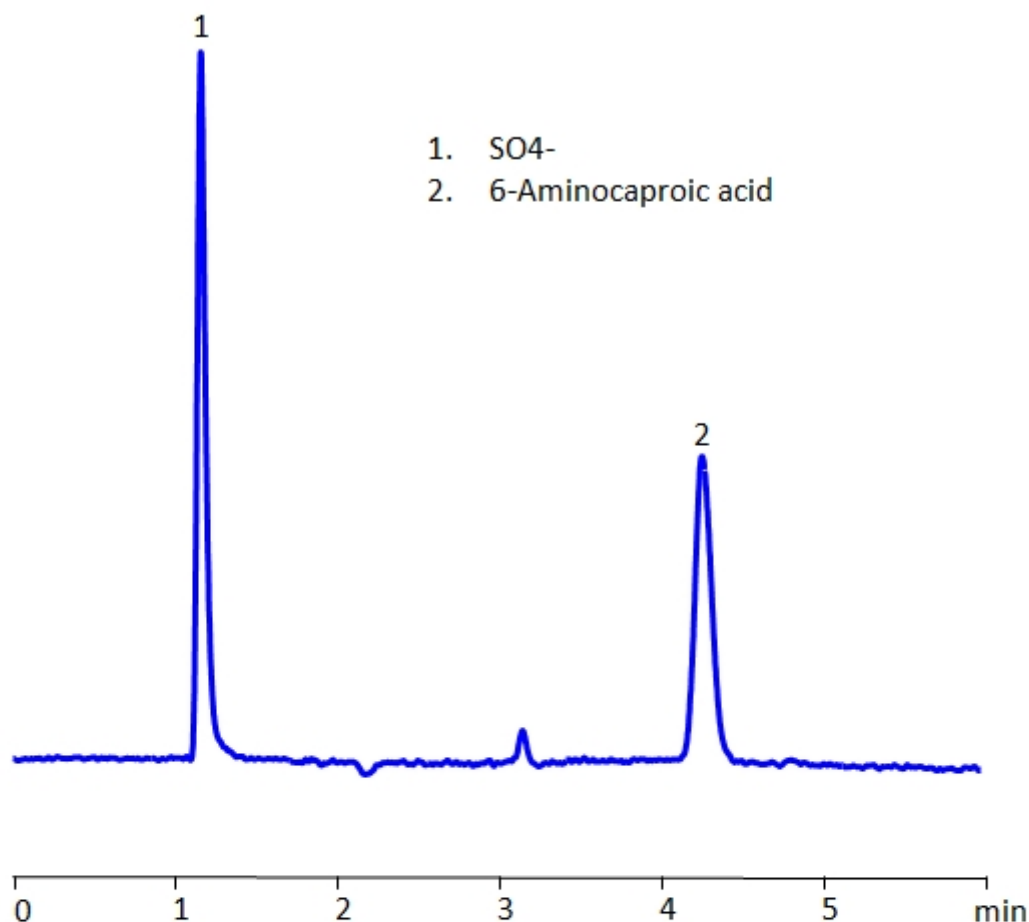


HPLC Determination of 6-aminocaproic Acid on Newcrom A Column

<https://sielc.com/hplc-determination-of-6-aminocaproic-acid-2>

Chromatogram



Column:	Newcrom A
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H ₂ O - 10/90%
Buffer:	AmFM pH 3.0-10 mM
Flow rate:	1 ml/min
Detection:	CAD, Corona (MS-compatible mobile phase)
LOD:	0.5 ppm, based on the analysis of the sample 0.1 mg/ml injection volume 5 µl

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of 6-Aminocaproic acid .

6-Aminocaproic Acid , brand name Amicar, is a clotting agent used to control excessive bleeding in patients during or after surgery by acting as an inhibitor to fibrinolysis. It is also used to treat a variety of disorders from Thrombocytopenia to bleeding disorders. It's chemical formula is C₆H₁₃NO₂ . You can find detailed UV spectra of 6-Aminocaproic Acid and information about its various lambda maxima by visiting the following link.

It can be retained using HPLC and low capacity Newcrom A mixed-mode column using isocratic analysis with mobile phase consisting of acetonitrile and water (ACN/H₂O) and MS-compatible ammonium formate (AmFm) buffer.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 10/90%
Buffer	Ammonium Formate pH 3.0 – 10 ■■
Flow Rate	1.0 ml/min
Detection	CAD, Corona (MS-compatible mobile phase)
Class of Compounds	Acid
Analyzing Compounds	6-Aminocaproic acid

HPLC Column Used

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

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