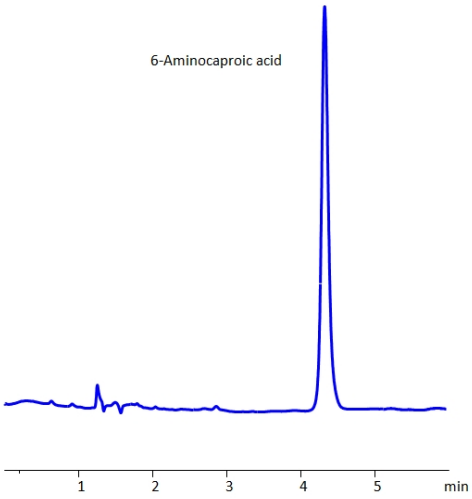
HPLC Determination of 6-Aminocaproic Acid With Low UV Detection



Column:	Newcrom AH
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H2O - 50/50%
Buffer:	H2SO4 – 0.1%
Flow rate:	1 ml/min
UV detection:	200 nm
LOD:	3 ppm, based on the analysis of the sample 0.1 mg/ml injection volume 5 µl

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 on Newcrom AH mixed-mode column using isocratic analysis with mobile phase consisting of acetonitrile and water (ACN/H2O) with sulfuric acid (H2SO4) as buffer and detected at low UV of 200 nm.

Method Parameters

Column	Newcrom ■H, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 50/50%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 200 nm

Quelle: https://sielc.com/hplc-determination-of-6-aminocaproic-acid

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