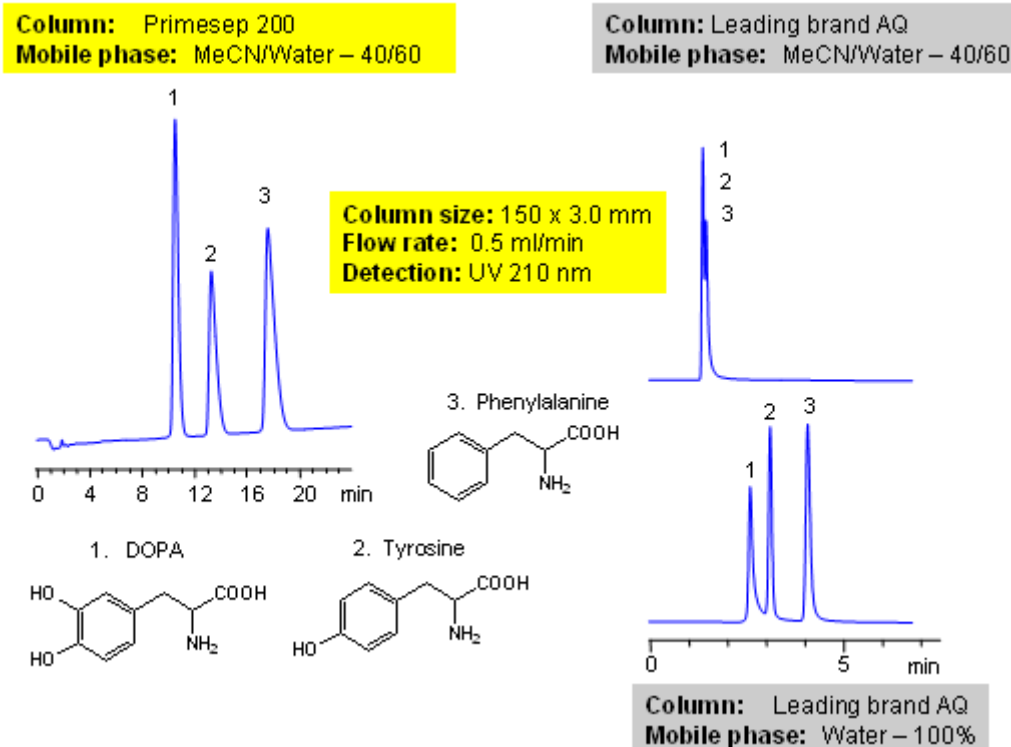


# Bufferless Ion Separation (BLIS™) Chromatography of Amino Acids (1)

<https://sielc.com/Application-Bufferless-Ion-Separation-BLIS-Chromatography-of-Amino-Acids-1>

## Chromatogram



## Description

Amino acids are the building blocks of proteins and are widely used as supplements. Amino acids can exist in acidic, basic or zwitterionic form depending on the pH of their environment (mobile phase in this case). Primesep 200 is a reverse-phase column with embedded weak acidic ion-pairing groups which allows for retention and separation of amino acids without requiring a buffer making it ideal for use with UV detection, mass spectrometry (MS), evaporative light scattering detection (ELSD).

## Method Parameters

<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 40/60%
<b>Buffer</b>	No
<b>Flow Rate</b>	0.5 ml/min
<b>Detection</b>	UV, 210 nm
<b>Class of Compounds</b>	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements, Amino acid
<b>Analyzing Compounds</b>	Dopa, Phenylalanine, Tyrosine

## HPLC Column Used

**Primesep 200, 3.0×150 mm, 5 µm, 100A**

[Order this column at hplc-shop.de →](#)