

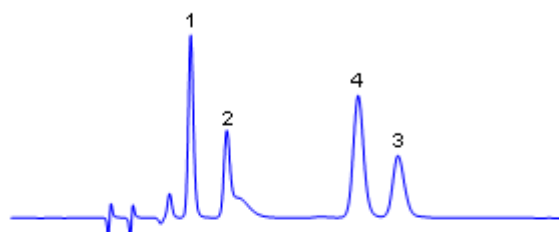
HPLC Separation of Amino Acids on Obelisc R Column

<https://sielc.com/Application-HPLC-Separation-of-Amino-Acids-on-Obelisc-R-Column>

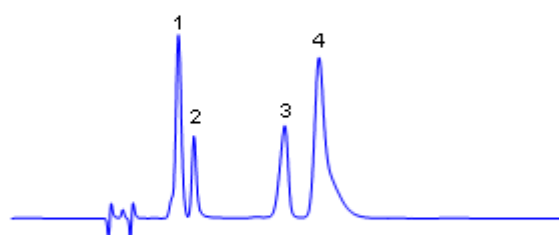
Chromatogram

1. Phenylalanine
2. 3-Aminobenzoic acid
3. Aspartame
4. Tryptophan

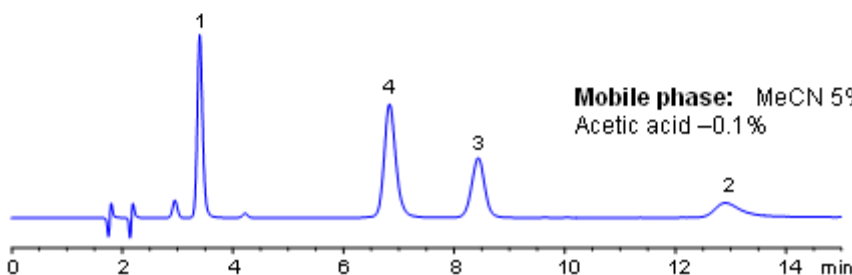
Column: Obelisc R
Column size: 150 x 4.6 mm
Flow: 1.0 mL/min
Detection: UV 250 nm



Mobile phase: MeCN 5%,
AmFm 20 mM pH 3.0



Mobile phase: MeCN 5%,
Formic acid -0.1%



Mobile phase: MeCN 5%,
Acetic acid -0.1%

Description

Closely related compounds like amino acids can be separated on an Obelisc R column by various buffers depending on the amount of baseline separation required. By choosing different buffers, the separation between compounds can be adjusted based on application needs, especially those that require low organic concentration in the mobile phase. UV detection at 250nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 5/95%
Buffer	AmFm
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements, Amino acid
Analyzing Compounds	Amino acids

HPLC Column Used

Obelisc R, 4.6x250 mm, 5 µm, 100A

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