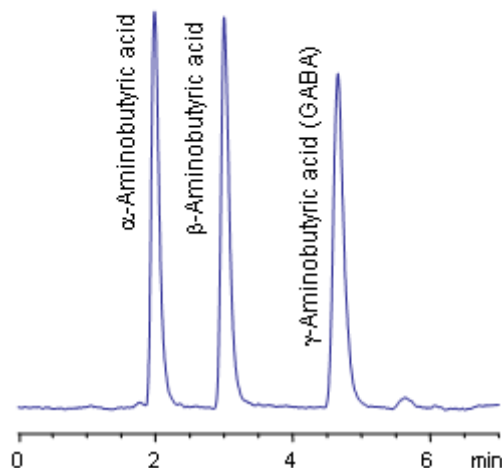


# HPLC Separation of Isomers of Aminobutyric Acids

<https://sielc.com/Application-HPLC-Separation-of-Isomers-of-Aminobutyric-Acids>

## Chromatogram

Column: Primesep C  
150 x 3.2 mm  
Flow rate: 0.5 mL/min.  
Detection: ELSD  
Mobile phase:  
Water/MeCN–90/10 with  
NH<sub>4</sub>Acetate 10 mMol pH 4.1



## Description

Primesep C separates the isomers of aminobutyric acids by a combination of reversed-phase and ionic interaction mechanisms. alpha-Aminobutyric acid, beta-Aminobutyric acid, and gamma-Aminobutyric acid (GABA) are baseline resolved without ion-pair reagents. The HPLC separation uses a mobile phase of water, acetonitrile (MeCN, ACN) ammonium acetate with evaporative light scattering detection (ELSD).

## Method Parameters

Mobile Phase	MeCN/H <sub>2</sub> O
Buffer	AmAc pH 4.1
Flow Rate	0.5 ml/min
Detection	ELSD
Class of Compounds	Acid
Analyzing Compounds	Alpha-Aminobutyric acid, Beta-Aminobutyric acid, Gamma-Aminobutyric acid (GABA)

## HPLC Column Used

**Primesep C, 3.2x150 mm, 5 µm, 100A**

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