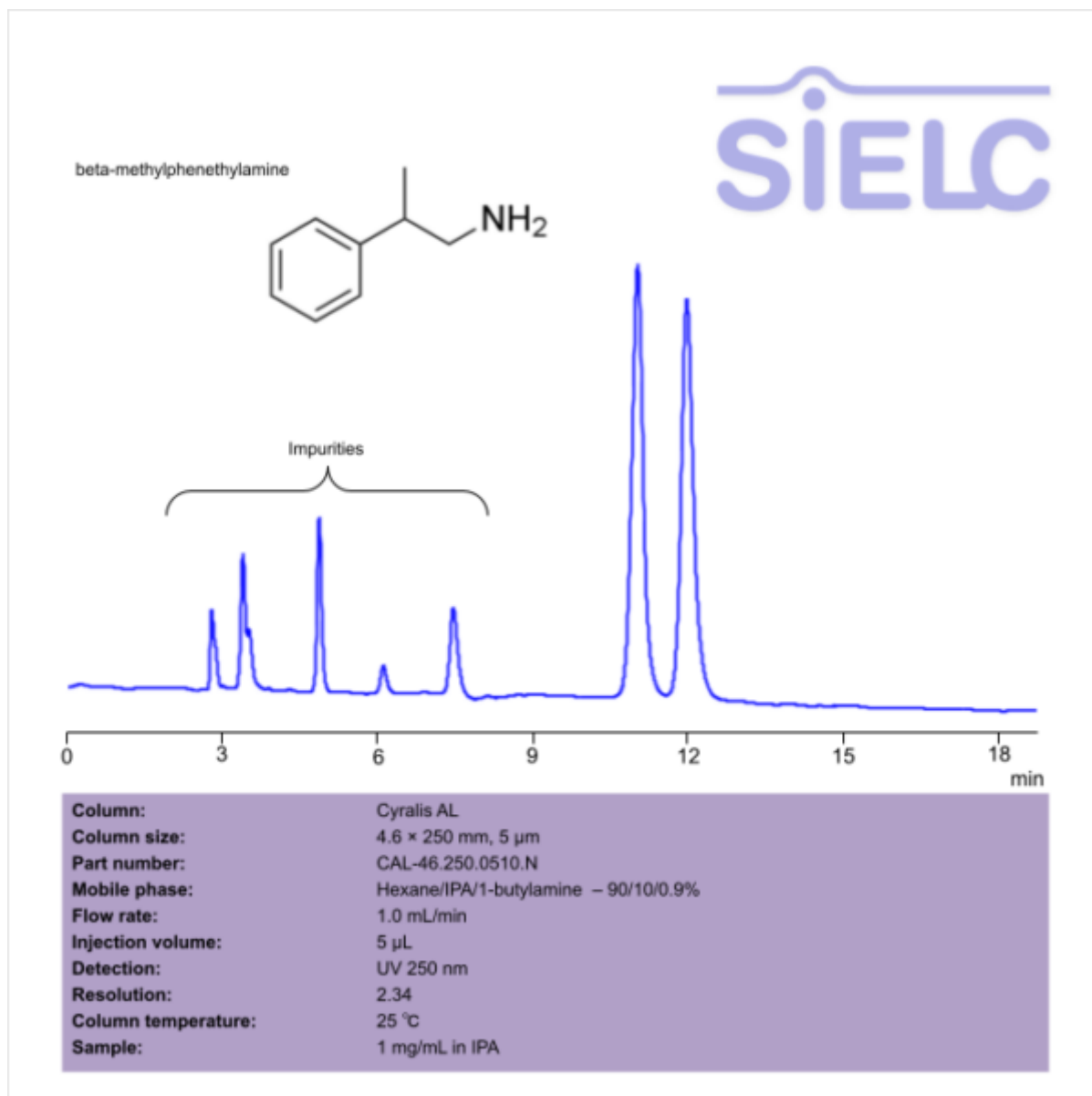


HPLC Chiral Separation of 2-Phenylpropylamine Enantiomers on Cyralis AL Column

<https://sielc.com/hplc-chiral-method-for-analysis-of-2-phenylpropylamine>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of 2-Phenylpropylamine .

2-Phenylpropylamine is an organic compound with the chemical formula $C_9H_{13}N$. Not much is known about the substance, but it shares properties with amphetamine. It is said to have antihypotensive activity. It is associated with a case of cerebral hemorrhage in Sweden.

You can find detailed UV spectra of 2-Phenylpropylamine and information about its various lambda maxima by visiting the following link.

This application describes a normal-phase chiral HPLC method for the separation of [compound] enantiomers using SIELC's Cyralis AL chiral column. Cyralis AL is an amylose-based chiral stationary phase (CSP) designed for enantiomeric separations, optical purity testing, chiral impurity analysis, and stereoisomer characterization in pharmaceutical, chemical, agrochemical, and

fine chemical applications.

2-Phenylpropylamine can be retained and analyzed using the Cyralis AL stationary phase column. The analysis utilizes an isocratic method with a mobile phase consisting of Hexane, IPA, and 1-butylamine. Detection is performed using UV.

Method Parameters

Mobile Phase	Hexane/IPA/1-butylamine
Flow Rate	1.0 mL/min
Detection	UV 250 nm
Resolution	2.34
Class of Compounds	Organic Compound
Analyzing Compounds	2-Phenylpropylamine

HPLC Column Used

Cyralis AL, 4.6 x 250 mm, 5 µm, 100 Å, normal phase

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