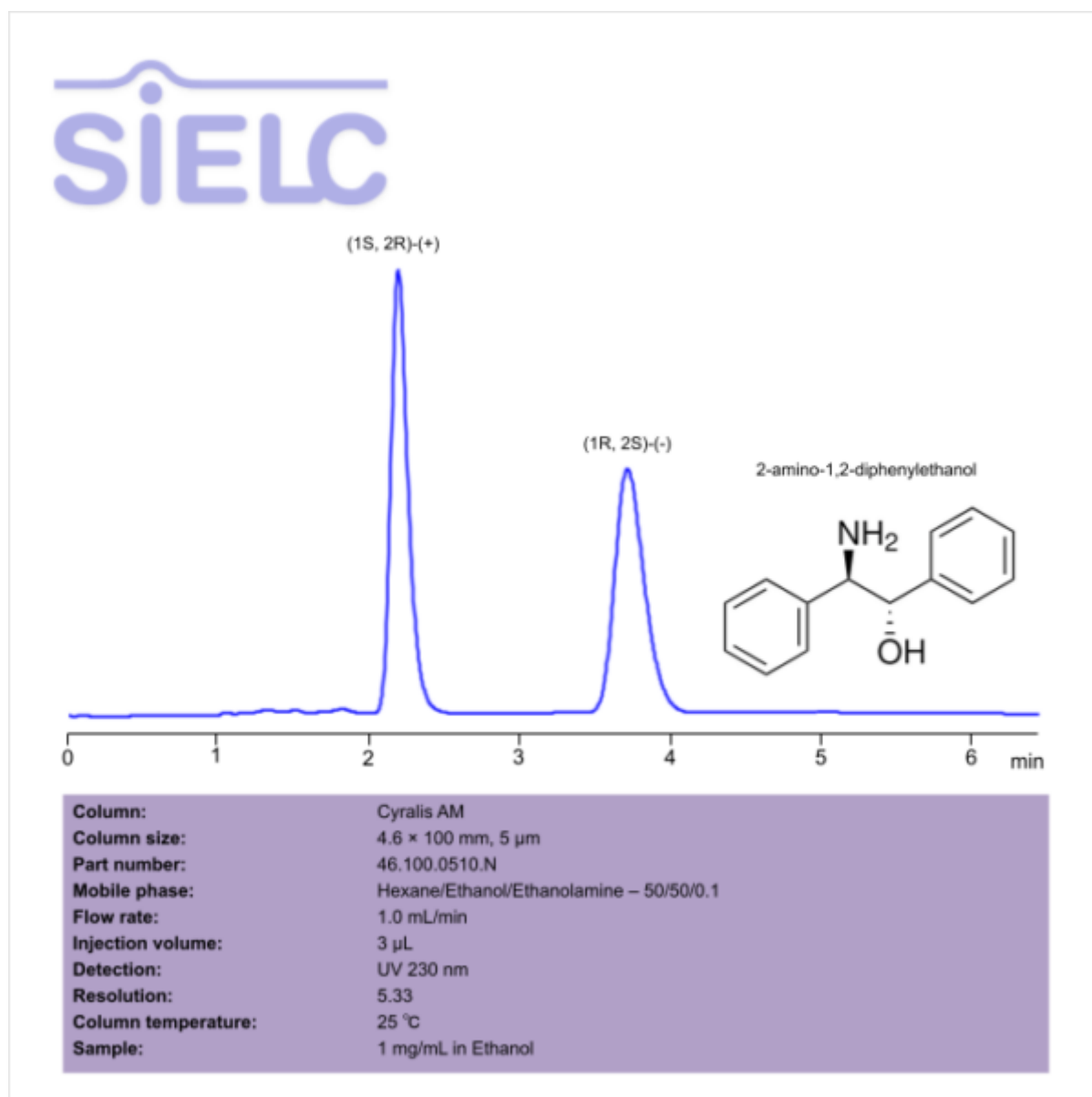


HPLC Chiral Separation of 2-amino-1,2-diphenylethanol Enantiomers on Cyralis AM Column

<https://sielc.com/hplc-chiral-method-for-analysis-of-2-amino-1-2-diphenylethanol>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of (1S,2R)-(+)-2-Amino-1,2-diphenylethanol .

2-amino-1,2-diphenylethanol is a chiral organic chemical compound with the chemical formula C₁₄H₁₅NO . It is used primarily in asymmetric synthesis as a chiral auxiliary or ligand for enantioselective reactions. You can find detailed UV spectra of (1S,2R)-(+)-2-Amino-1,2-diphenylethanol 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 (1S,2R)-(+)-2-Amino-1,2-diphenylethanol enantiomers using SiELC's Cyralis AM chiral column. Cyralis AM 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.

(1S,2R)-(+)-2-Amino-1,2-diphenylethanol can be retained and analyzed using the Cyralis AM stationary phase column. The analysis utilizes an isocratic method with a mobile phase consisting of Hexane, Ethanol, and Ethanolamine. Detection is performed using UV.

Method Parameters

Mobile Phase	Hexane/Ethanol/Ethanolamine
Flow Rate	1.0 mL/min
Detection	UV 230 nm
Resolution	5.33
Class of Compounds	Compound
Analyzing Compounds	(1S,2R)-(+)-2-Amino-1,2-diphenylethanol

HPLC Column Used

Cyralis AM, 4.6 x 100 mm, 5 µm, 100 Å, normal phase

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