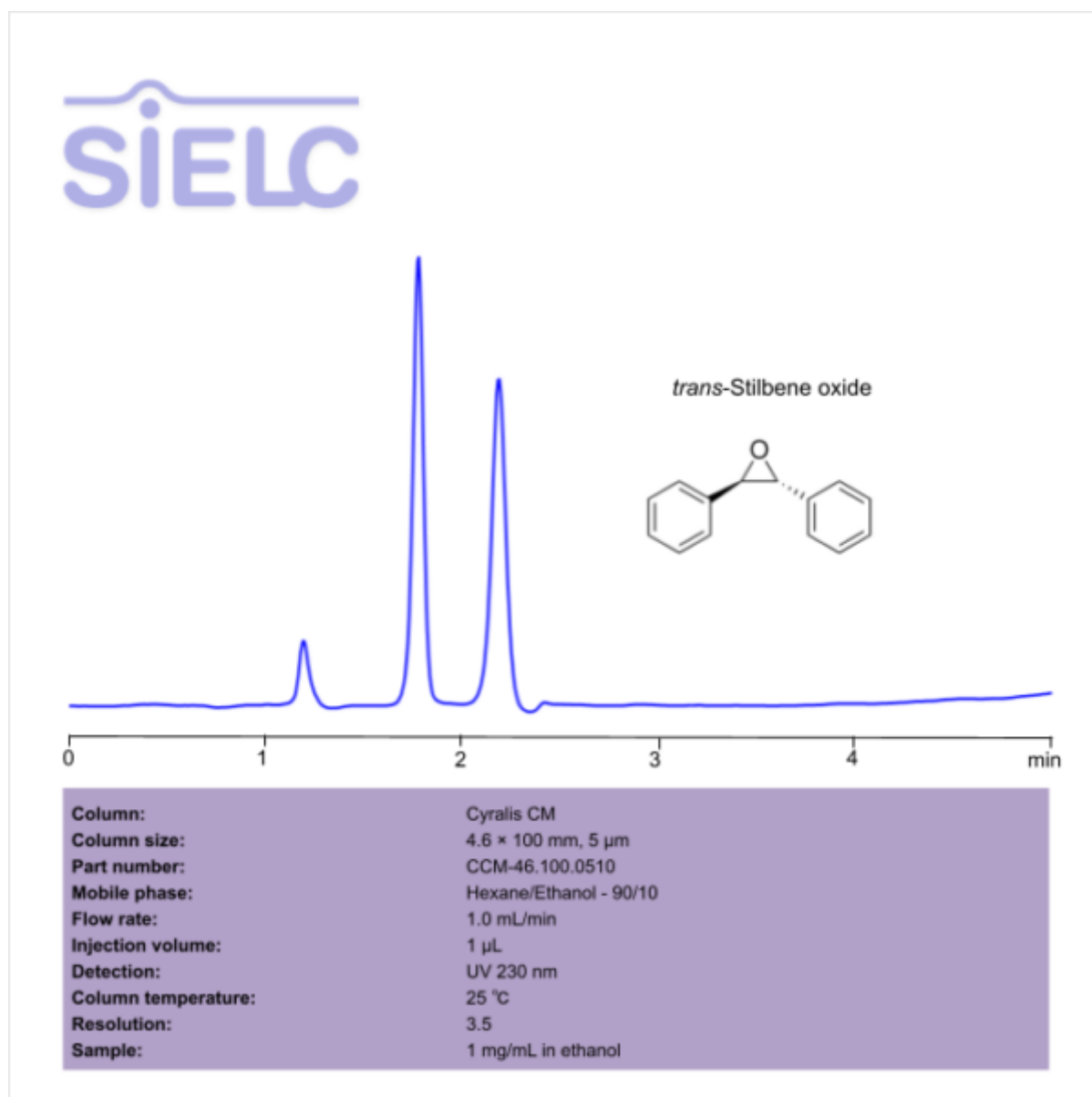


HPLC Chiral Separation of Trans-Stilbene Oxide on Cyralis CM Column

<https://sielc.com/hplc-chiral-method-for-analysis-of-trans-stilbene-oxide>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Trans-Stilbene Oxide .

Trans-Stilbene Oxide is a an organic compound with the chemical formula C₁₄ H₁₂ O . It is used primarily in photochemistry and as a stationary phase modifier in Chiral Chromatography You can find detailed UV spectra of Trans-Stilbene Oxide 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 Trans-Stilbene Oxide enantiomers using SIELC's Cyralis CM chiral column. Cyralis CM is a cellulose-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.

Trans-Stilbene Oxide can be retained and analyzed using the Cyralis CM stationary phase column. The analysis utilizes an isocratic method with a mobile phase consisting of Hexane and Ethanol. Detection is performed using UV.

Method Parameters

Mobile Phase	Hexane/Ethanol- 90/10%
Flow Rate	1.0 mL/min
Detection	UV 230 nm
Resolution	3.5
Class of Compounds	Organic Compound
Analyzing Compounds	Trans-Stilbene Oxide

HPLC Column Used

Cyralis CM, 4.6 x 100 mm, 5 µm, 100 A, dual ended

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