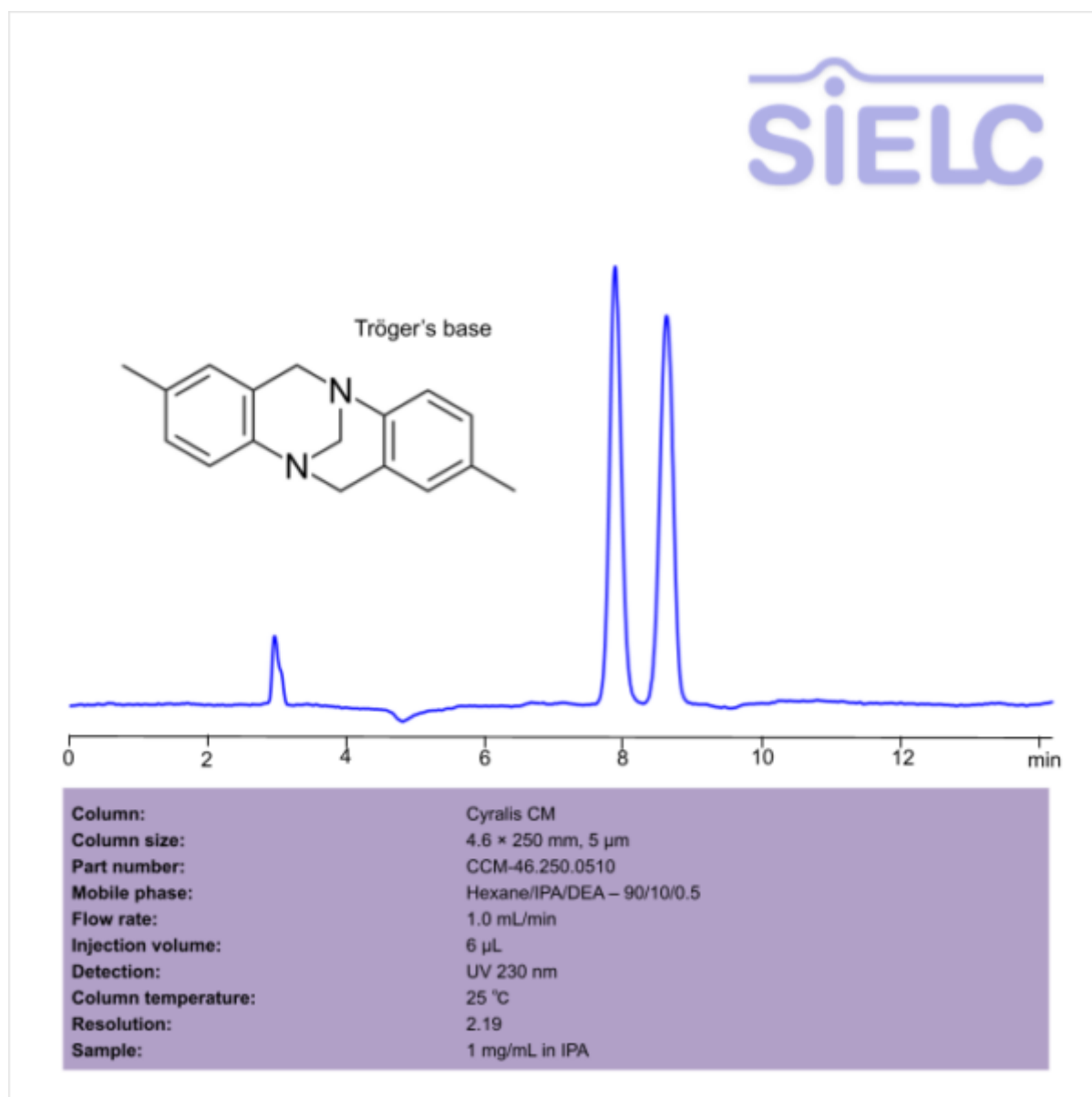


HPLC Chiral Separation of Troger's Base on Cyralis CM Column

<https://sielc.com/hplc-method-for-analysis-of-trogers-base>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Troger's base .

Troger's base , also written as Tröger's base , is a tetracyclic organic compound with the chemical formula $C_{17}H_{18}N_2$. The correct structure for the compound was a mystery for 48 years after it's initial synthesis by Julius Tröger. You can find detailed UV spectra of Troger's base 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 Troger's base 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.

Troger's base 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, IPA, and DEA. Detection is performed using UV.

Method Parameters

Mobile Phase	Hexane/IPA/DEA- 90/10/0.5%
Flow Rate	1.0 mL/min
Detection	UV 230 nm
Resolution	2.19
Class of Compounds	Organic Compound
Analyzing Compounds	Troger's base

HPLC Column Used

Cyralis CM, 4.6 x 250 mm, 5 µm, 100 A, dual ended

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