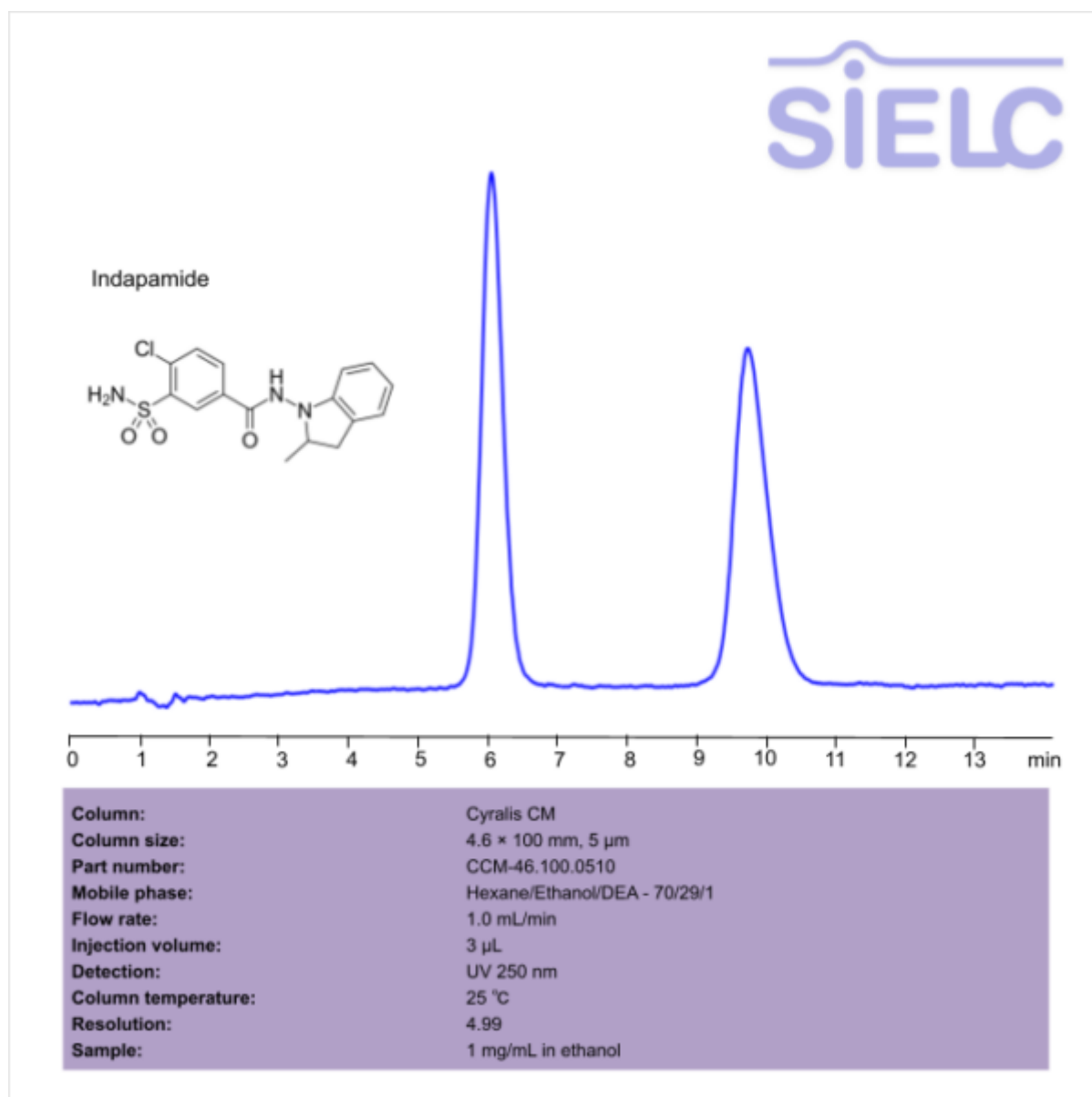


HPLC Chiral Separation of Indapamide on Cyralis CM Column

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

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Indapamide .

Indapamide is a medication with the chemical formula $C_{16}H_{16}ClN_3O_3S$. It is primarily used to treat hypertension. It is an indole derivative of chlorosulphonamide and a sulfamyl diuretic with antihypertensive activity. It exerts its diuretic effect by inhibiting reabsorption of sodium and chloride, primarily as a result of action on the cortical diluting segment of the renal distal tubule. You can find detailed UV spectra of Indapamide 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 Indapamide 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. For best results, the sample should be prepared fresh for analysis.

Indapamide 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, Ethanol, and DEA. Detection is performed using UV.

Method Parameters

Mobile Phase	Hexane/Ethanol/DEA- 70/29/1%
Flow Rate	1.0 mL/min
Detection	UV 250 nm
Resolution	4.99
Class of Compounds	Medication
Analyzing Compounds	Indapamide

HPLC Column Used

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

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