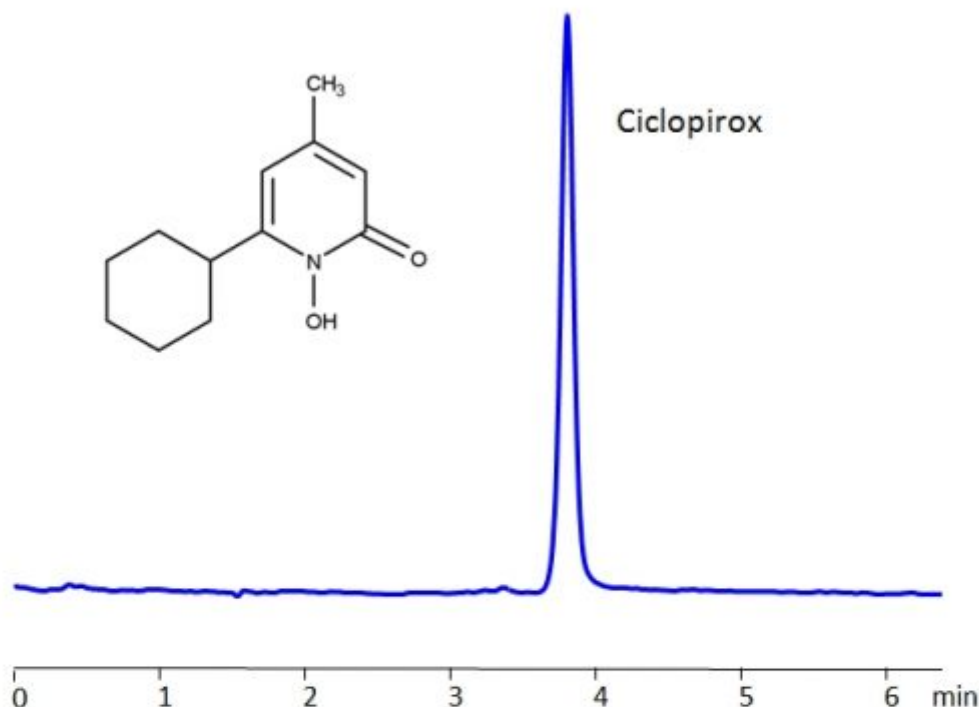


HPLC Determination of Ciclopirox on Newcrom A Column

<https://sielc.com/hplc-determination-of-ciclopirox-on-newcrom-a-column>

Chromatogram



Column:	Newcrom A
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H ₂ O – 45/55%
Buffer:	HClO ₄ – 0.2%
Flow rate:	1 ml/min
Detection:	UV 300 nm

Description

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

Ciclopirox is a prescription medication with the chemical formula C₁₂H₁₇NO₂. It is used to treat topical fungal infections on skin, nails, and scalp. It is available in a variety of forms from shampoo, to nail lacquer, to cream.

Ciclopirox can be retained and analyzed using the Newcrom A stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a perchloric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN – 45%
Buffer	HClO ₄ – 0.2%

Flow Rate	1.0 ml/min
Detection	UV 300 nm
Class of Compounds	Drug, Synthetic antifungal agent
Analyzing Compounds	Ciclopirox

HPLC Column Used

Newcrom A, 4.6 x 150 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](#)