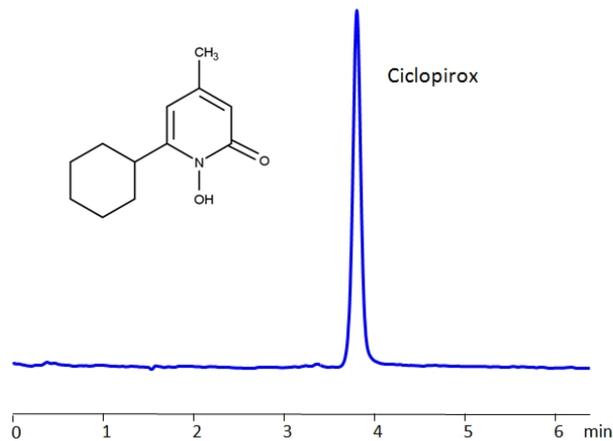


## HPLC Determination of Ciclopirox on Newcrom A Column



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

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

Ciclopirox is a prescription medication with the chemical formula C<sub>12</sub>H<sub>17</sub>NO<sub>2</sub> . 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

<b>Column</b>	Newcrom A, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 45%
<b>Buffer</b>	HClO <sub>4</sub> – 0.2%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 300 nm

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