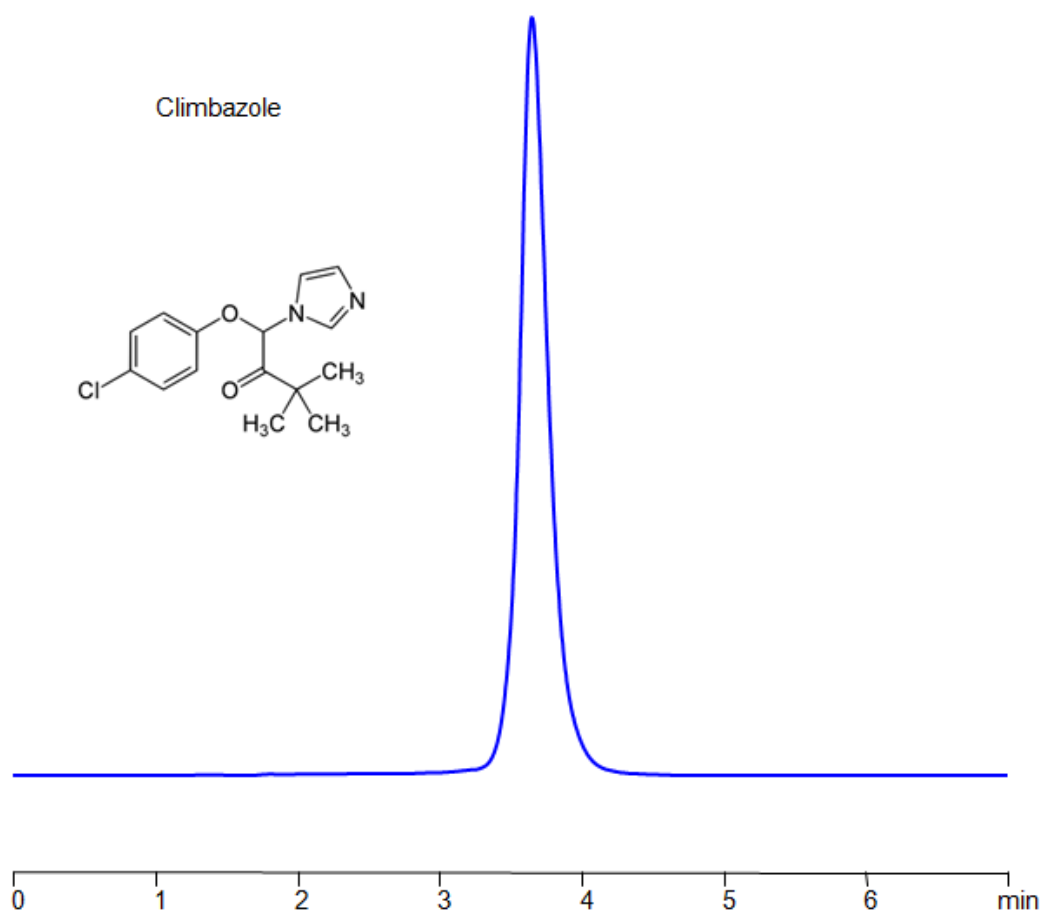


HPLC Method for Analysis of Climbazole on Primesep B Column

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

Chromatogram



Column:	Primesep B
Column size:	2.1 × 100 mm, 5 µm
Column part number:	B-21.100.0510
Mobile phase:	MeCN – 50%
Buffer:	Ammonium Formate pH 4.0-20 mM
Flow rate:	0.2 mL/min
Detection:	UV 275 nm

Description

Climbazole is an antifungal agent commonly used in hair care products, primarily in shampoos, to treat dandruff and seborrheic dermatitis. It works by inhibiting the growth of the fungi that contribute to these conditions. Here are some key points about climbazole:

Climbazole can be retained, and analyzed on a Primesep B mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a ammonium format a buffer. This analysis method can be detected in the UV 270 nm.

Method Parameters

Mobile Phase	MeCN – 50%
Buffer	Ammonium Formate pH 4.0-20 mM
Flow Rate	0.2 ml/min
Detection	UV, 275 nm
Peak Retention Time	3.75 min
Class of Compounds	Allylamines
Analyzing Compounds	Climbazole

HPLC Column Used

(Column variation not found)