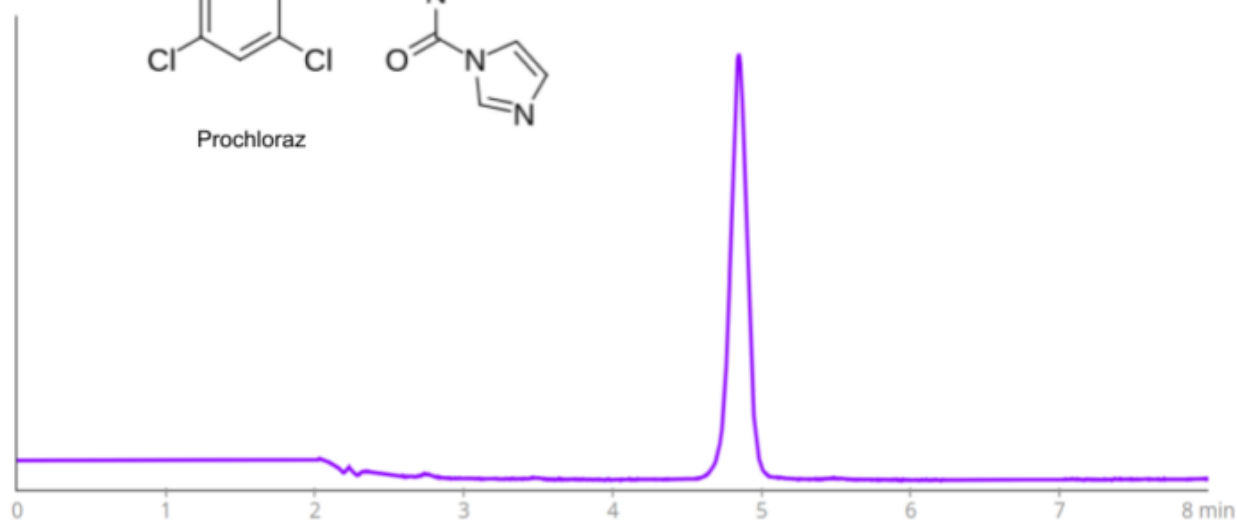
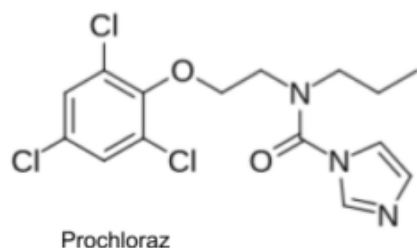


HPLC Method for Analysis of Prochloraz on Newcrom B Column on Alltesta™

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

Chromatogram

SiELC



Column	Newcrom B
Column Size	4.6 x 150 mm, 5 µm
Part Number	NB-46.150.0510
Mobile Phase	MeCN/H ₂ O - 50/50%
Buffer	AmFm pH 3.0 - 20 mM
Flow Rate	1.0 mL/min
Injection Volume	1 µL
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Prochloraz is an imidazole fungicide with the chemical formula C₁₅H₁₆Cl₃N₃O₂. It is used widely across Europe, Asia, South America, and Australia, but is not registered for use in the United States. It works as an inhibitor of the enzyme lanosterol 14α-demethylase.

Prochloraz can be retained and analyzed using the Newcrom B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with phosphoric acid as a buffer. Detection is

performed using UV.

Method Parameters

Mobile Phase	MeCN – 50%
Buffer	Ammonium Formate
Flow Rate	1.0 mL/min
Detection	UV 275 nm
Class of Compounds	Hydrophobic, Herbicide, Pesticide
Analyzing Compounds	Prochloraz

HPLC Column Used

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

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