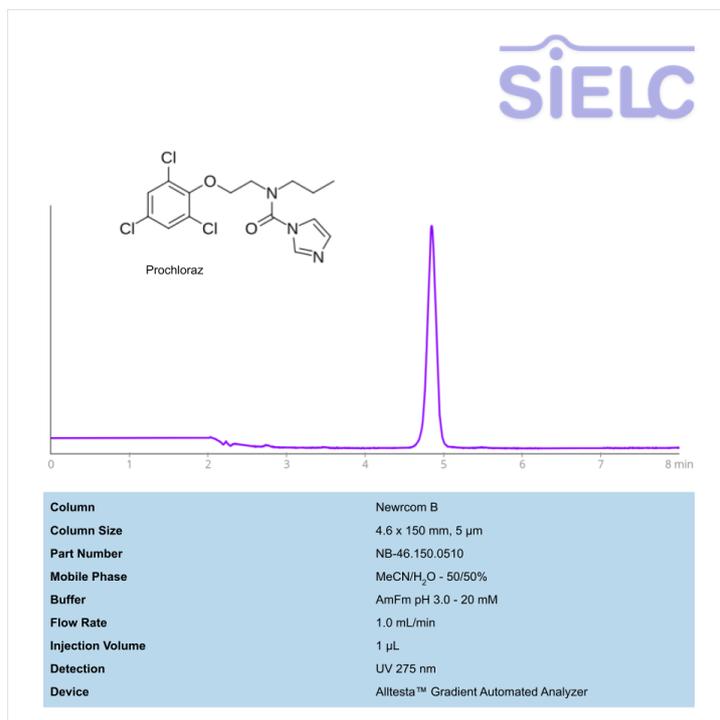


HPLC Method for Analysis of Prochloraz on Newcrom B Column on Alltesta™



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 14 α -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

Column	Newcrom B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	Ammonium Formate
Flow Rate	1.0 mL/min
Detection	UV 275 nm

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