

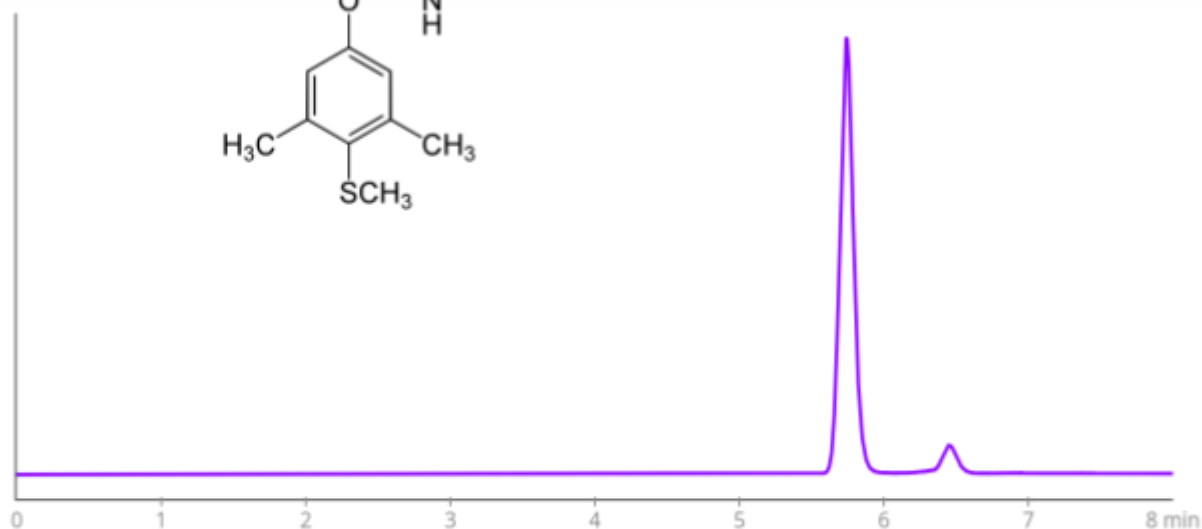
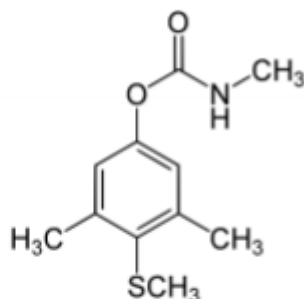
HPLC Method for Analysis of Tebuconazole on Newcrom B Column on Alltesta™

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

Chromatogram

sielc

Methiocarb



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 Tebuconazole

Tebuconazole is a triazole fungicide with the chemical formula C₁₆H₂₂ClN₃O. It is used against to plant pathogenic fungi. Despite the U.S. Food and Drug Administration considering this fungicide safe, it is considered a possible carcinogen with the rating of C. According to the World Health Organization, it has moderate toxicity and is slightly hazardous.

Tebuconazole 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 ammonium formate 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	Pesticide
Analyzing Compounds	Tebuconazole

HPLC Column Used

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

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)