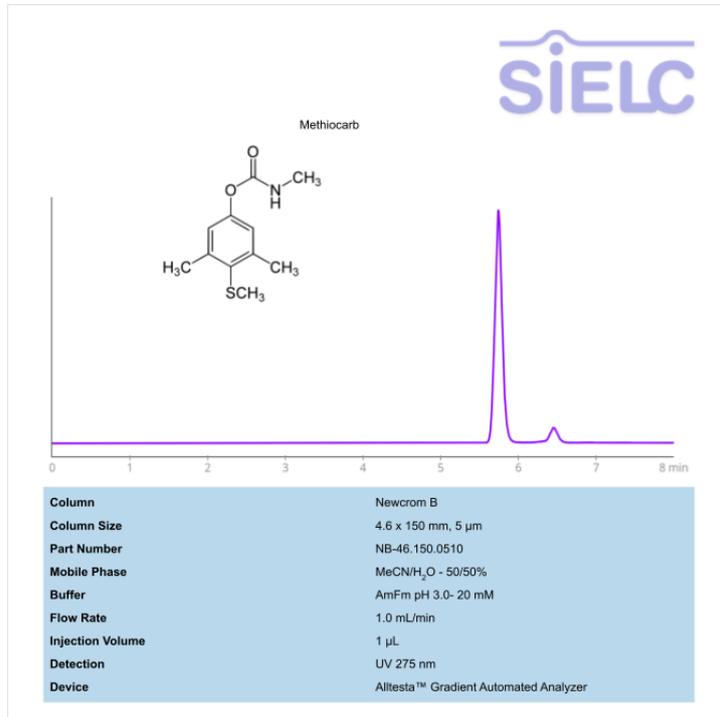


## HPLC Method for Analysis of Tebuconazole on Newcrom B Column on Alltesta™



### High Performance Liquid Chromatography (HPLC) Method for Analysis of Tebuconazole

Tebuconazole is a triazole fungicide with the chemical formula C<sub>16</sub>H<sub>22</sub>CIN<sub>3</sub>O. 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

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

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