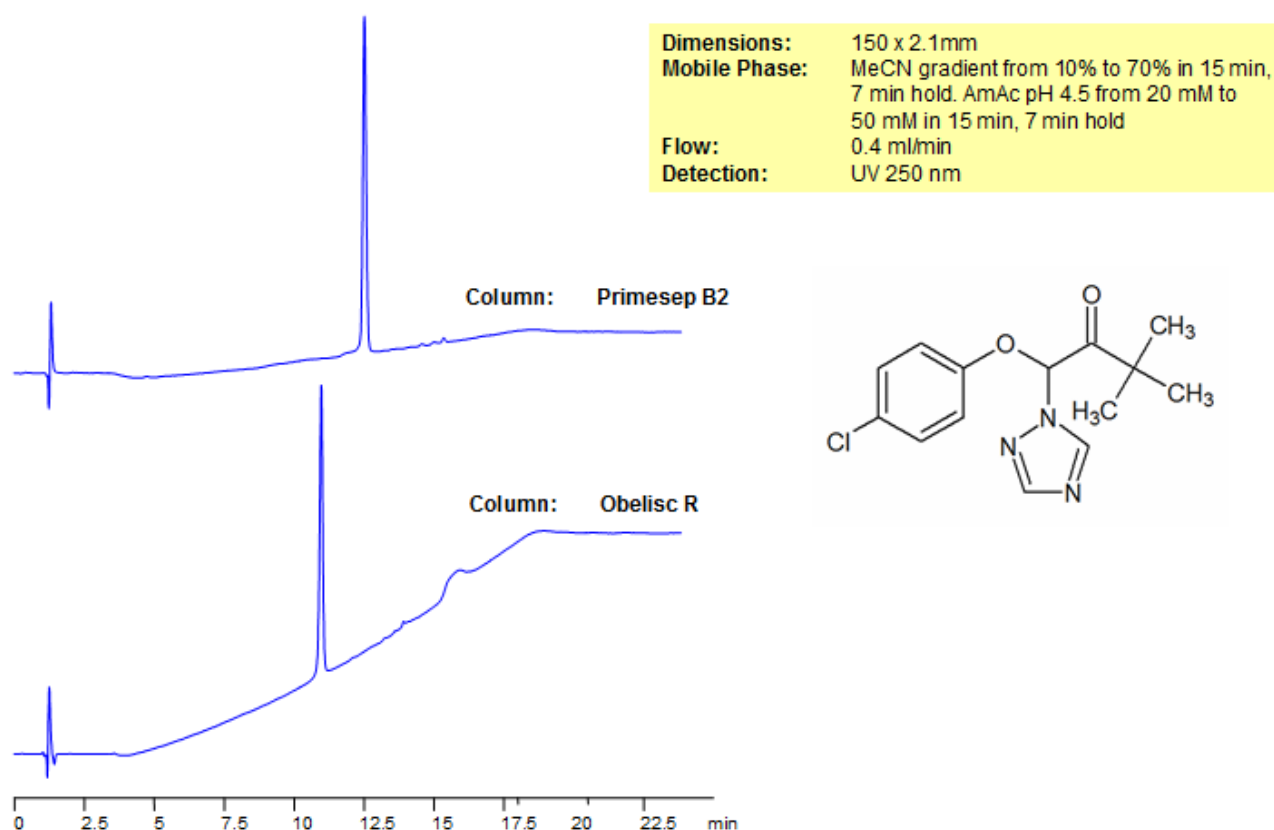


HPLC Separation of Triadimefon on Obelisc and Primesep Columns

<https://sielc.com/Application-HPLC-Separation-of-Triadimefon-on-Obelisc-and-Primesep-Columns>

Chromatogram



Description

Triadimefon is a fungicide made up of a chlorophenol and a triazole. It is used on tropical fruit crops such as pineapple and banana. Primesep B2 and Obelisc R were used to retain triadimefon and separate it from impurities. Primesep B2 contains embedded basic ion-pairing groups and Obelisc R contains embedded ionic and hydrophobic groups which can assist in fine tuning separations. Method is LC/MS compatible and can be used as a general approach for analyzing triadimefon and dozens of other pesticides.

Method Parameters

Mobile Phase	Gradient MeCN – 10-70%, 15 min, 7 min hold
Buffer	Gradient AmAc pH 4,5- 20-50 mM, 15 min, 7 min hold
Flow Rate	0.4 ml/min
Detection	UV, 250 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Triadimefon

HPLC Column Used

Obelisc R, 2.1×150 mm, 5 µm, 100A

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