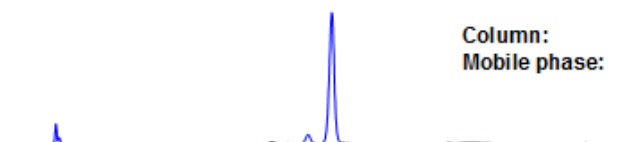
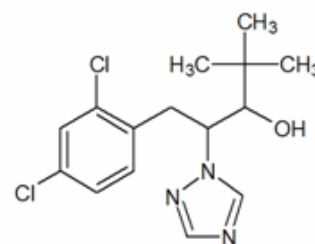


Diclobutrazol Separation on Primesep and Obelisc HPLC Columns

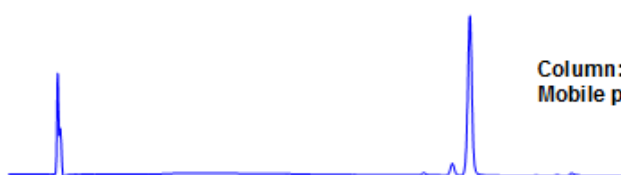
<https://sielc.com/Application-Diclobutrazol-Separation-on-Primesep-and-Obelisc-HPLC-Columns>

Chromatogram

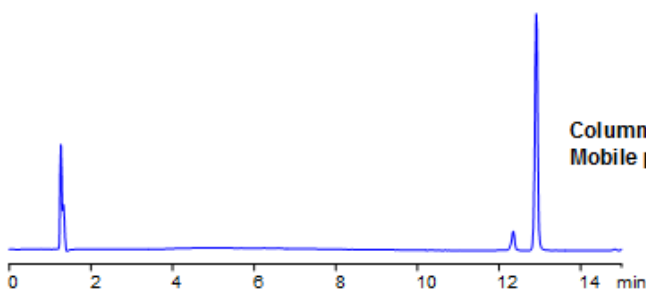
Size: 2.1 x 150 mm
Flow: 0.4 mL/min
Detection: UV 270 nm



Column: Obelisc R
Mobile phase: MeCN gradient 25% to 70% in 15 min, AmFm pH 3.0 gradient from 30 mM to 60 mM



Column: Obelisc R
Mobile phase: MeCN gradient 10% to 70% in 15 min, AmFm pH 3.0 gradient from 20 mM to 60 mM



Column: Primesep 100
Mobile phase: MeCN gradient 10% to 70% in 15 min, AmFm pH 3.0, gradient from 20 mM to 60 mM

Description

Diclobutrazol is a fungicide based on 1,2,4-triazol. It is used in production of coffee and various cereal grains. Primesep 100 Obelisc R were used to separate diclobutrazol. Primesep 100 is a mixed-mode column which uses embedded ion-pairing groups and Obelisc can fine tune separations using both a long hydrophobic chain and ionic groups. Method is LC/MS compatible and can be used for many pesticides.

Method Parameters

Mobile Phase	Gradient MeCN – 10-70%, 15 min
Buffer	Gradient AmAc pH 3.0- 20-60 mM, 15 min
Flow Rate	0.4 ml/min
Detection	UV, 270 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Diclobutrazol

HPLC Column Used

Primesep 100, 2.1×150 mm, 5 µm, 100A

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