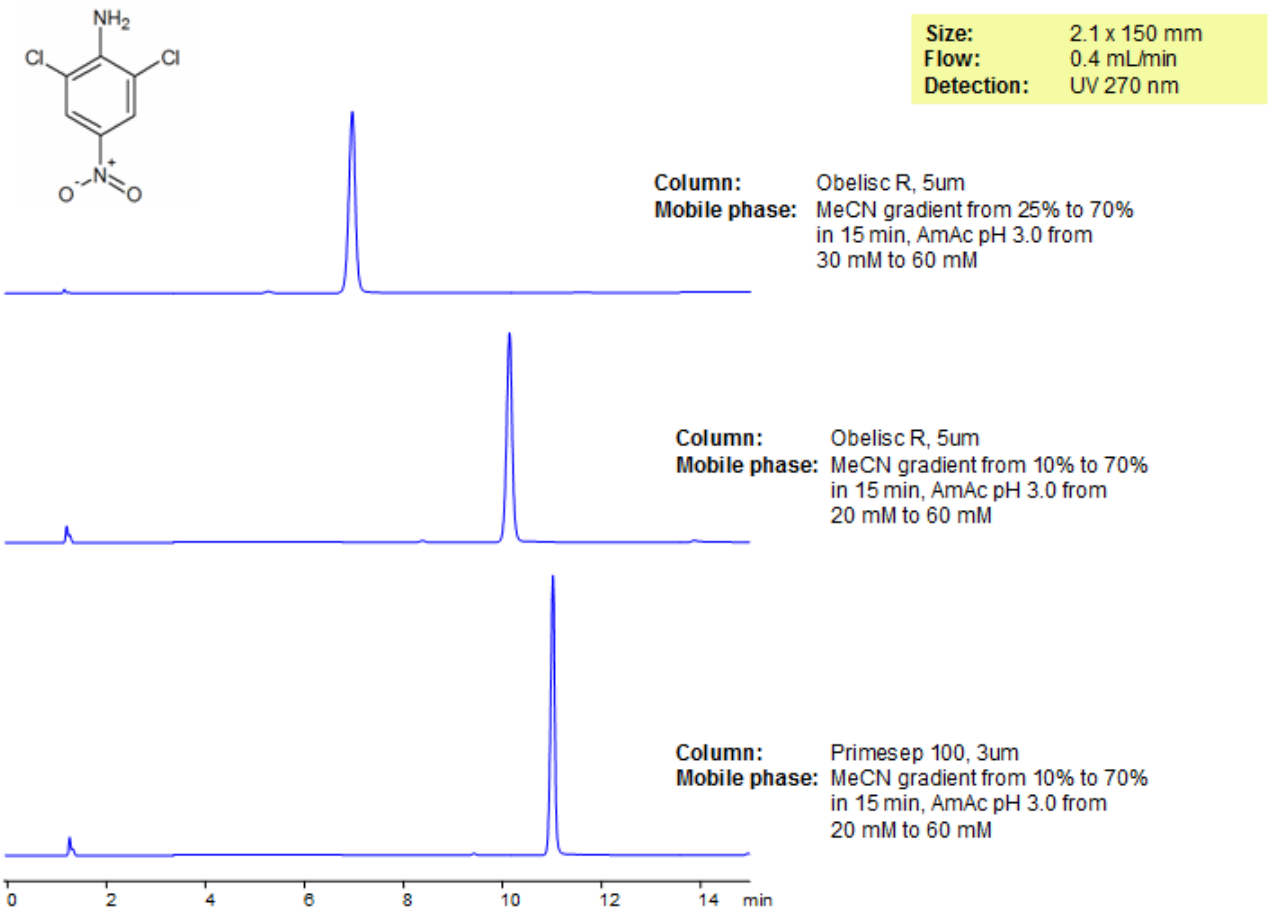
# HPLC Analysis of Dichloran on Mixed-Mode Columns

https://sielc.com/Application-HPLC-Analysis-of-Dichloran-on-Mixed-Mode-Columns

## Chromatogram




## Description

Dichloran (DCNA) is a fungicide analyzed on the mixed-mode columns Obelisc R and Primesep 100. DCNA was separated from impurities on Obelisc R, which contains embedded ionic and hydrophobic groups which can assist in fine tuning separations. Primesep 100 which contains embedded acidic ion-pairing groups also retained DCNA. Method is LC/MS compatible and can be used as a general approach for analyzing DCNA and many other pesticides.

## Method Parameters

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

## HPLC Column Used

| Primesep 100, 2.1×150 mm, 5 µm, 100A |
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| Order this column at hplc-shop.de → |