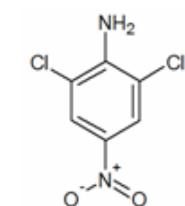


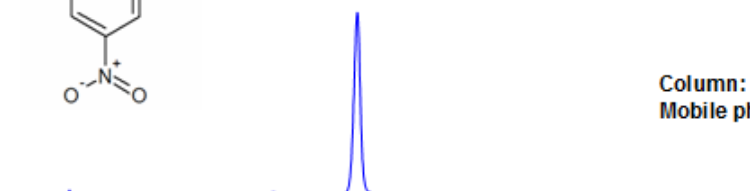
HPLC Analysis of Dichloran on Mixed-Mode Columns

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

Chromatogram



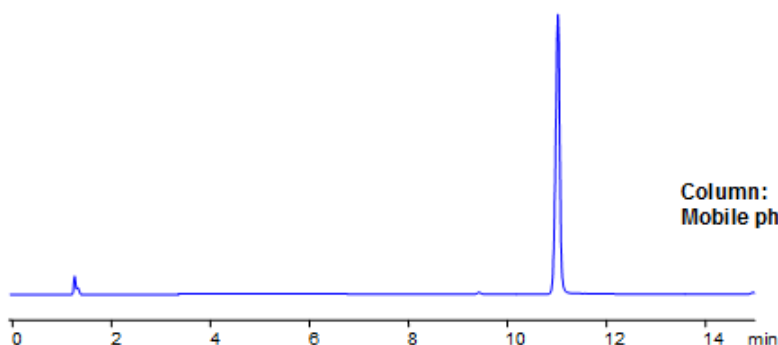
Size: 2.1 x 150 mm
Flow: 0.4 mL/min
Detection: UV 270 nm



Column: Obelisc R, 5µm
Mobile phase: MeCN gradient from 25% to 70% in 15 min, AmAc pH 3.0 from 30 mM to 60 mM



Column: Obelisc R, 5µm
Mobile phase: MeCN gradient from 10% to 70% in 15 min, AmAc pH 3.0 from 20 mM to 60 mM



Column: Primesep 100, 3µm
Mobile phase: MeCN gradient from 10% to 70% in 15 min, AmAc pH 3.0 from 20 mM to 60 mM

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

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