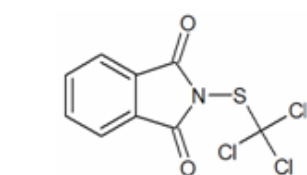


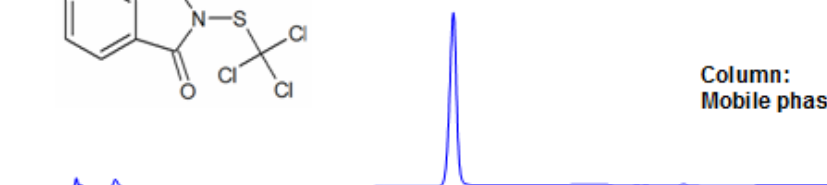
Folpet Analysis on Primesep 100 and Obelisc R HPLC Columns

<https://sielc.com/Application-Folpet-Analysis-on-Primesep-100-and-Obelisc-R-HPLC-Columns>

Chromatogram



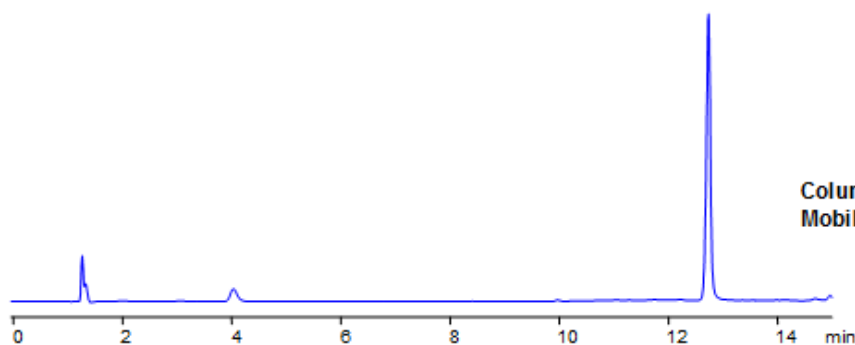
Size: 2.1 x 150 mm
Flow: 0.4 mL/min
Detection: UV 270 nm



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

Folpet is a fungicide which is used to prevent a variety of fungal infections such as apple scab, cherry leaf spot, rose black spot, and rose mildew. Folpet was one of many pesticides studied by the EURL-SRM, a proficiency test for single residue methods developed by the European Union Reference Laboratory. Folpet was retained and separated from impurities with Obelisc R and Primesep 100 columns. Primesep 100 contains embedded acidic ion-pairing groups and Obelisc R contains embedded ionic and hydrophobic groups which can assist in fine tuning separations. Method can be used for dozens of other pesticides and is LC/MS compatible.

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

HPLC Column Used

Primesep 100, 2.1×150 mm, 5 µm, 100A

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