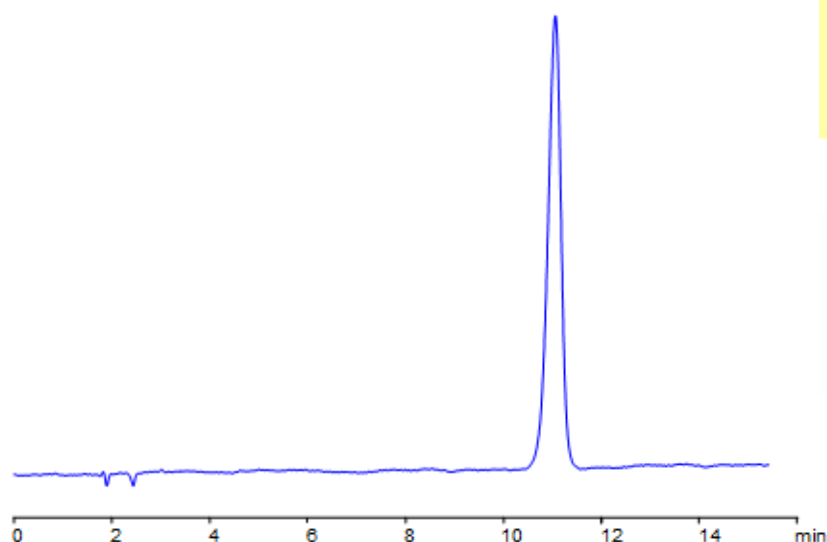


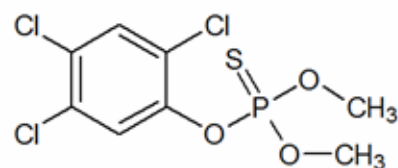
HPLC Analysis of Chlorpyrifos-methyl

<https://sielc.com/Application%20HPLC%20Analysis%20of%20Chlorpyrifos-methyl>

Chromatogram



Column: Obelisc R
Dimensions: 150 x 4.6mm
Mobile Phase: 40% MeCN
Buffer: 20mM AmFm pH 3.0
Flow: 1.0 ml/min
Detection: UV 250 nm



Description

Chlorpyrifos-methyl is an organophosphate insecticide also known as Dursban and Lorsban. It has been banned for home use since 2001 due to its toxicity, but is one of the most widely used organophosphate insecticides according to the EPA. Chlorpyrifos-methyl is on the EURL–SRM list of target pesticides in cereals and feeding stuffs. Chlorpyrifos-methyl was retained on Obelisc R, a mixed-mode HPLC column which contains ionic groups and hydrophobic chain. Method is LC/MS compatible and can be used as a general approach for analyzing chlorpyrifos-methyl and other organophosphate insecticides.

Method Parameters

Mobile Phase	MeCN – 30%
Buffer	AmFm pH 3.0- 20 mM
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Chlorpyrifos-methyl

HPLC Column Used

Obelisc R, 4.6×150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](#)