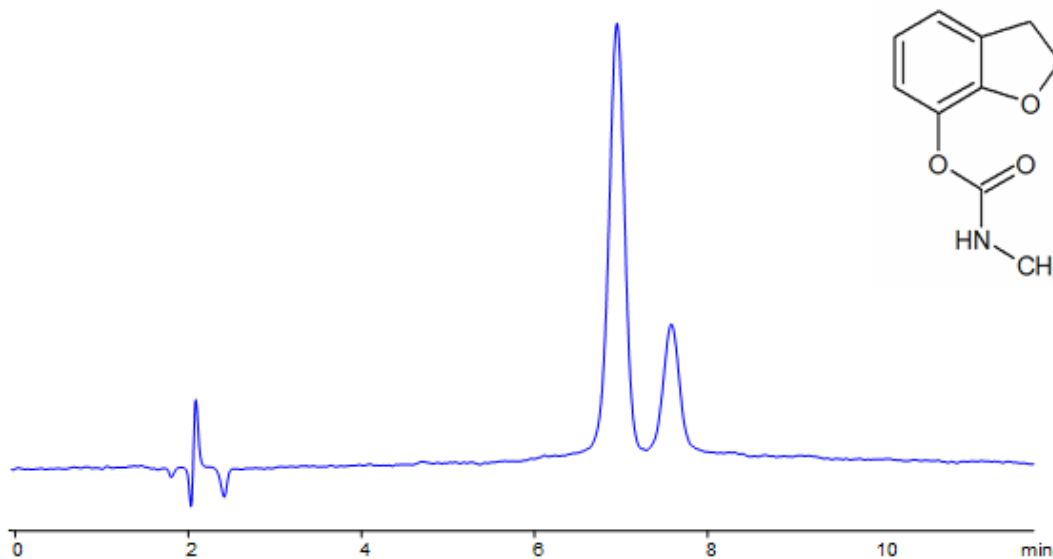


Carbofuran Separation on Obelisc R HPLC Column

<https://sielc.com/Application-Carbofuran-Separation-on-Obelisc-R-HPLC-Column>

Chromatogram

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



Description

Carbofuran is one of the most acutely toxic insecticides used on field crops. It is banned in Europe, Canada, and as of 2009 was banned in the United States. The EURL included carbofuran as a target pesticide for the EUPT-CF9. Obelisc R was used to retain carbofuran and separate it from impurities. Obelisc R contains embedded ionic and hydrophobic groups which can assist in fine tuning separations. Method is LC/MS compatible and can be used as a general approach for analyzing carbofuran and other phenoxy acids.

Method Parameters

Mobile Phase	MeCN – 20%
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	Carbofuran

HPLC Column Used

Obelisc R, 4.6×150 mm, 5 µm, 100A

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