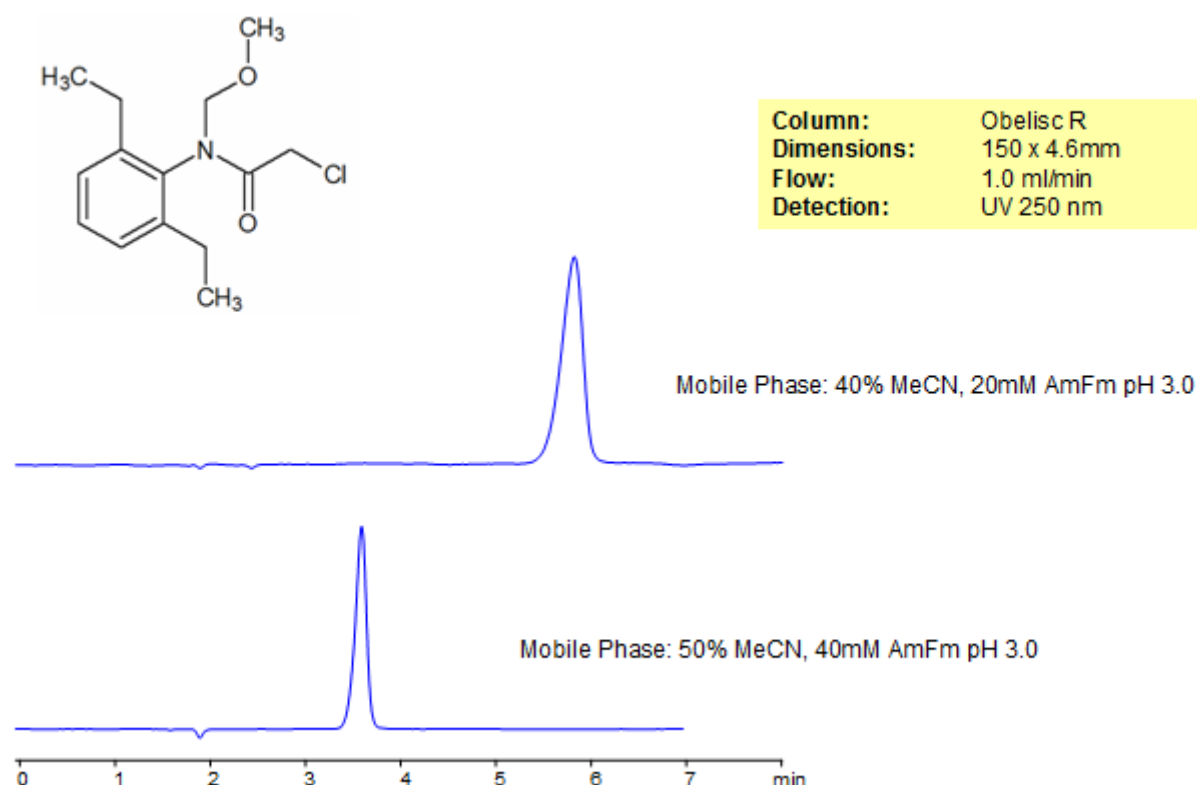


HPLC Analysis of Alachlor

<https://sielc.com/Application%20HPLC%20Analysis%20of%20Alachlor>

Chromatogram



Description

Alachlor is a chloroacetanilide family herbicide which inhibits parts of the gibberellin pathway. The EPA classifies alachlor as slightly toxic and set the maximum contaminant level at 2 ppb. The EU banned alachlor in 2006. Obelisc R was used to retain alachlor 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 alachlor.

Method Parameters

Mobile Phase	MeCN/H ₂ O
Buffer	AmFm pH 3.0
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Alachlor

HPLC Column Used

Obelisc R, 4.6×150 mm, 5 µm, 100A

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