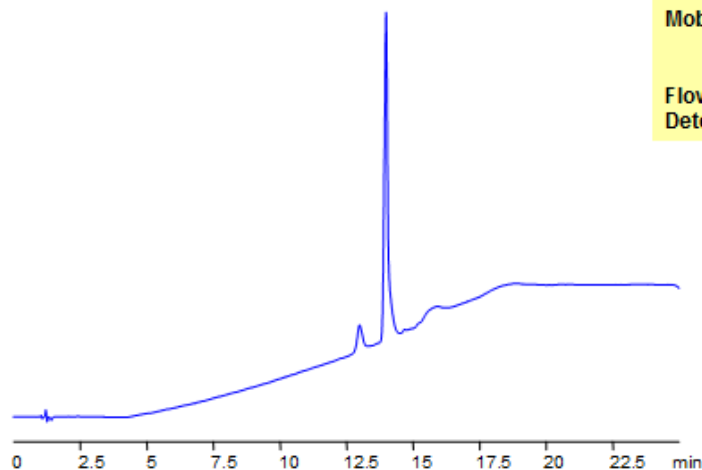


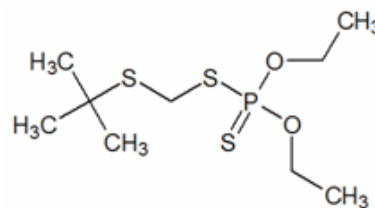
HPLC Retention of Terbufos on Obelisc N Mixed-Mode Column

<https://sielc.com/Application-HPLC-Retention-of-Terbufos-on-Obelisc-N-Mixed-Mode-Column>

Chromatogram



Column: Obelisc R
Dimensions: 150 x 2.1mm
Mobile Phase: MeCN gradient from 10% to 70% in 15 min, 7 min hold. AmAc pH 4.5 from 20 mM to 50 mM in 15 min, 7 min hold
Flow: 0.4 ml/min
Detection: UV 250 nm



Description

Terbufos is an extremely toxic organophosphate insecticide and nematocide. Obelisc R was used to retain terbufos 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 terbufos, other organophosphate insecticides, and dozens of other pesticides.

Method Parameters

Mobile Phase	Gradient MeCN – 10-70%, 15 min, 7 min hold
Buffer	Gradient AmAc pH 4,5- 20-50 mM, 15 min, 7 min hold
Flow Rate	0.4 ml/min
Detection	UV, 250 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Terbufos

HPLC Column Used

Obelisc R, 2.1x150 mm, 5 µm, 100A

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