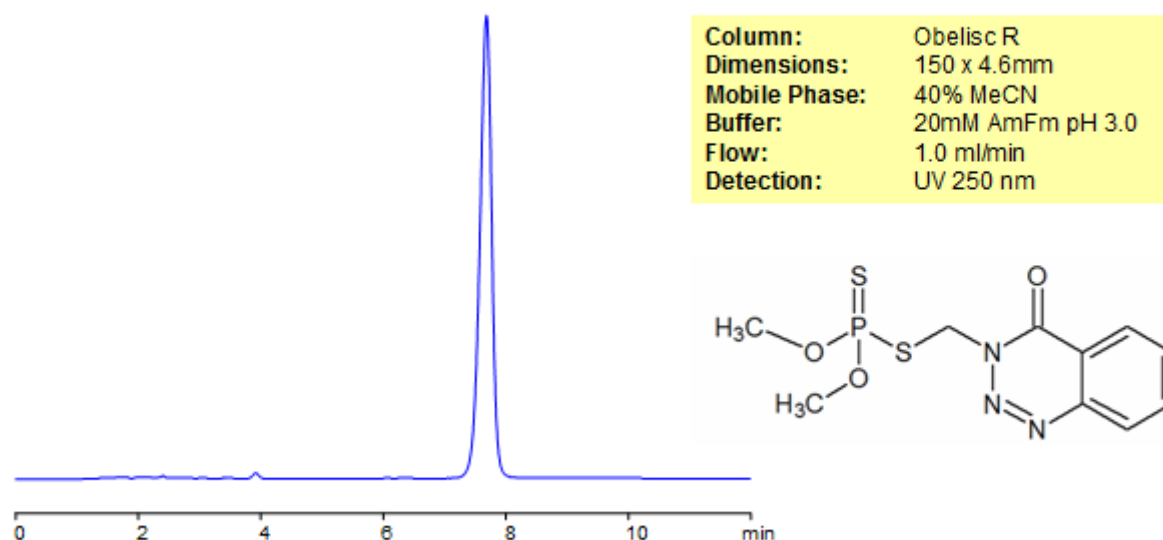


HPLC Analysis of Azinphos-ethyl

<https://sielc.com/Application%20HPLC%20Analysis%20of%20Azinphos-ethyl>

Chromatogram



Description

Azinphos-ethyl is an organophosphate insecticide similar to Azinphos-methyl which was developed during World War II as a nerve agent. Due to risk concerns for farm workers and aquatic ecosystems AZM use was phased-out by the EPA in 2012. AZM is on the EURL–SRM list of target pesticides in cereals and feeding stuffs. Azinphos-ethyl 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 azinphos-ethyl and other organophosphate insecticides.

Method Parameters

Mobile Phase	MeCN – 40%
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	Azinphos-ethyl

HPLC Column Used

Obelisc R, 4.6×150 mm, 5 µm, 100A

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