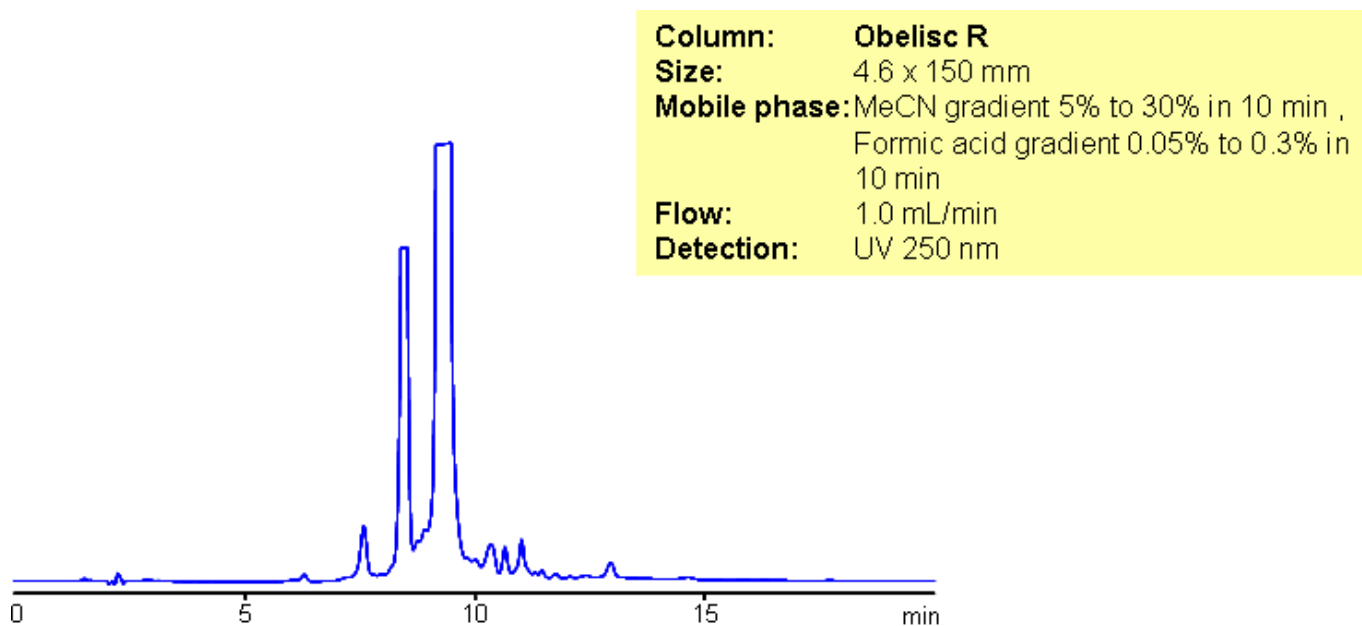


# Analysis of Antibiotic Tylosin and Related Impurities in Mixed-Mode Chromatography

[https://sielc.com/Analysis\\_of\\_Antibiotic\\_Tylosin\\_and\\_Related\\_Impurities\\_in\\_Mixed-Mode\\_Chromatography](https://sielc.com/Analysis_of_Antibiotic_Tylosin_and_Related_Impurities_in_Mixed-Mode_Chromatography)

## Chromatogram



## Description

Tylosin is a macrolide antibiotic with a broad spectrum of activity against gram-negative and gram-positive organisms. It is highly polar and basic molecule with limited retention in reversed-phase chromatography. Tylosin and related impurities were analysed on Obelisc R trimodal column. Method is compatible with LC/MS and prep chromatography and can be used for HPLC analysis of tylosin in various biofluids.

## Method Parameters

<b>Mobile Phase</b>	Gradient MeCN – 5-30%, 10 min, 5 min hold
<b>Buffer</b>	Gradient Formic Acid – 0.05%-0.3%, 10 min, 5 min hold
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV, 250 nm
<b>Class of Compounds</b>	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
<b>Analyzing Compounds</b>	Tylosin

## HPLC Column Used

**Obelisc R, 2.1x150 mm, 5 µm, 100A**

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