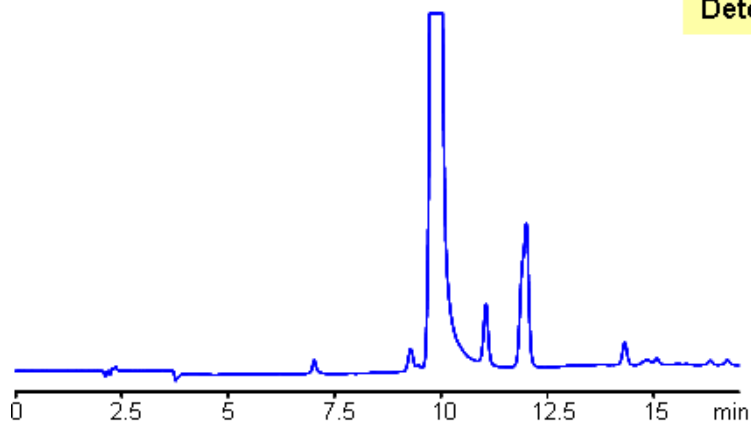


# Analysis of Antibiotic Dapsone and Related Impurities in Mixed-Mode Chromatography

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

## Chromatogram

**Column:** Obelisc R  
**Size:** 4.6 x 150 mm  
**Mobile phase:** MeCN gradient 0% to 25% in 6 min , then to 70% next 14 min, Formic acid gradient 0.05% to 0.3% in 6 min, 0.3% next 14 min  
**Flow:** 1.0 mL/min  
**Detection:** UV 270 nm



## Description

Dapsone is an antibiotic used to treat leprosy and acne. Obelisc R was used to analyze dapsone and its impurities. Obelisc R is a tri-modal reversed-phase, cation- and anion-exchange column. Method is compatible with LC/MS and prep chromatography.

## Method Parameters

<b>Mobile Phase</b>	Gradient MeCN – 0-25%, 6 min, 25-70% 14 min
<b>Buffer</b>	Gradient Formic Acid – 0.05%-0.3%, 10 min, 14 min hold
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV, 270 nm
<b>Class of Compounds</b>	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
<b>Analyzing Compounds</b>	Dapsone

## HPLC Column Used

**Obelisc R, 4.6x150 mm, 5 µm, 100A**

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