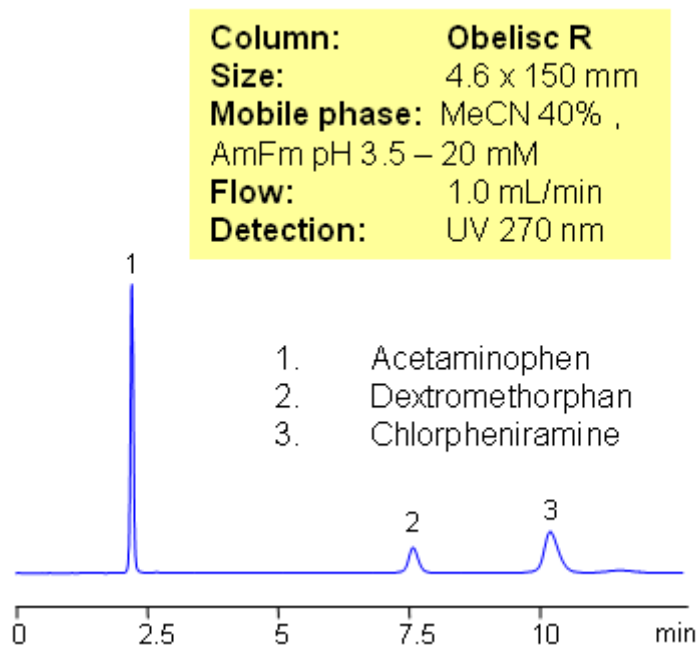


Separation of Drugs in Mixed-Mode HPLC

<https://sielc.com/Application-Separation-of-Drugs-in-Mixed-Mode-HPLC>

Chromatogram



Description

Obelisc R column can be successfully used for analysis of hydrophobic and hydrophilic basic and acidic drugs and corresponding counter-ions. This approach can be used for analysis of various cold and cough composition, pain killers, and other prescription and over-the-counter medications. Within pH 3-5, both cation- and anion mechanism are present on the column, along with hydrophobic interaction. Selectivity of this mixed-mode separation is controlled by the amount of acetonitrile, buffer concentration and buffer pH. Method is robust and reproducible, and can be used as a common HPLC method for analysis of drug molecules and compositions.

Method Parameters

| | |
|----------------------------|--|
| Mobile Phase | MeCN |
| Buffer | AmFm |
| Flow Rate | 1.0 ml/min |
| Detection | UV, 270 nm |
| Class of Compounds | Drug, Analgetic, Acid, Hydrophilic, Ionizable, |
| Analyzing Compounds | Maleate, Chlorpheniramine, Dextromethorphan |

HPLC Column Used

Obelisc R, 4.6x150 mm, 5 µm, 100A

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