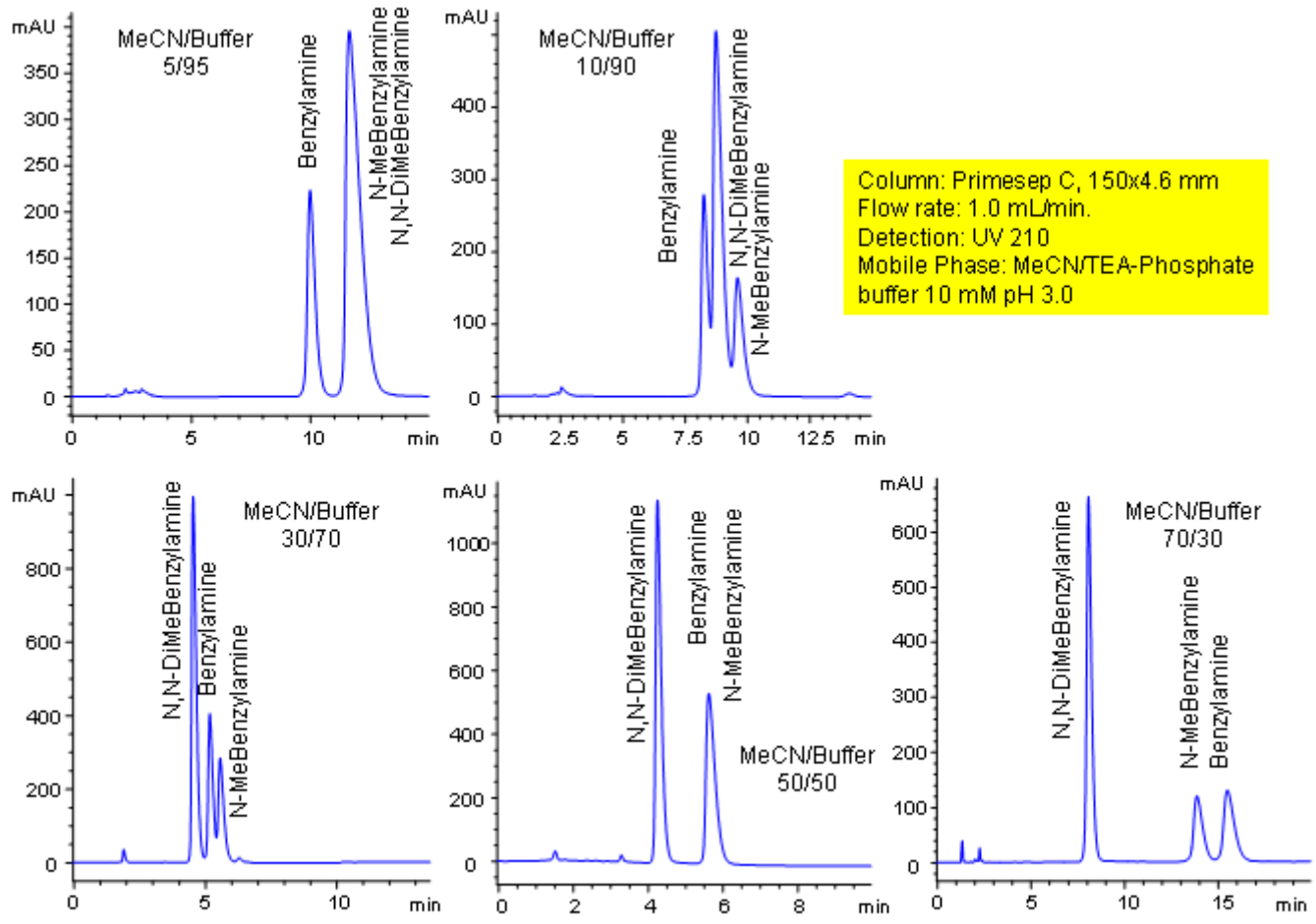
Primesep C Column Retention Control

https://sielc.com/Application-Primesep-C-Column-Retention-Control

Chromatogram



Description

Primesep C separates benzylamines with an easily tunable HPLC method that allows retention control. Benzylamine, N-methylbenzylamine, and N,N-dimethylbenzylamine peak order and retention can be significantly changed by altering the water/acetonitrile ratio in the mobile phase which changes the combination of cation exchange, complex formation, and hydrophobic interactions. This mixture is separated with a mobile phase of water, acetonitrile (MeCN, ACN) and triethylamine (TEA) phosphate with UV detection at 210 nm.

Method Parameters

Mobile Phase	MeCN/H2O
Buffer	TEAPh
Flow Rate	1.0 ml/min
Detection	UV 210
Class of Compounds	Hydrophilic, Ionizable
Analyzing Compounds	Benzylamine, N-methylbenzylamine, N,N-dimethylbenzylamine

HPLC Column Used

Primesep C, 4.6×150 mm, 5 µm, 100A

Order this column at hplc-shop.de →