

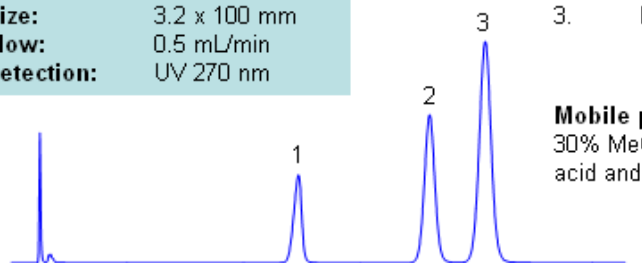
HPLC Separation of Pyrilamine, Trimipramine, Pindolol Using Hydrogen Bonding Mode

https://sielc.com/Separation_of_Pyrlamine_Trimipramine_Pindolol_Using_Hydrogen_Bonding_Mode

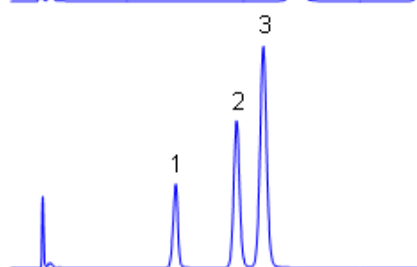
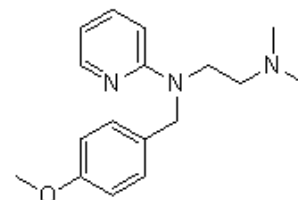
Chromatogram

Column: SHARC 1
Size: 3.2 x 100 mm
Flow: 0.5 mL/min
Detection: UV 270 nm

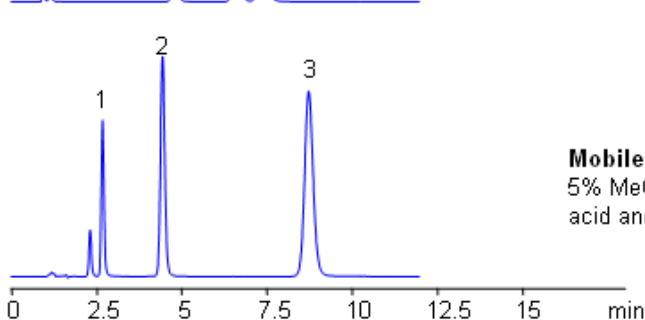
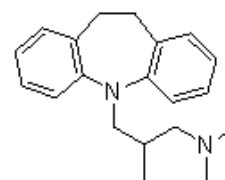
1. Pyrilamine
2. Trimipramine
3. Pindolol



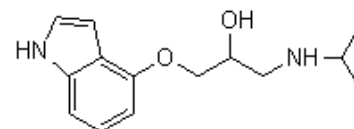
Mobile phase: 70% MeCN,
30% MeOH with 0.25% Formic
acid and 0.025% AmFm



Mobile phase: 70% MeCN,
30% MeOH with 0.5% Formic
acid and 0.05% AmFm



Mobile phase: 95% MeCN,
5% MeOH with 0.5% Formic
acid and 0.05% AmFm



Description

Application Notes: Many drugs contain small hydrophobic and hydrophilic compounds. There are several ways to retain and analyze these compounds including, reversed-phase chromatography, cation-exchange chromatography, and HILIC. Our method includes separation based on hydrogen-bonding interactions between the analytes and the stationary phase. Hydrogen bonding offers unique selectivity of separation with good peak shape and retention control. Our method is fully compatible with ELSD, LC/MS and preparative chromatography. This approach can also be applied to the analysis of other drug molecules.

Application Columns: SHARC 1, 3.2x100 mm, 5 µm, 100Å. To learn more about SHARC 1 columns click here . To order this column click here . To see more chromatographic separations check our web site.

Application Compounds: Pyrilamine, trimipramine, and pindolol · Detection Technique: UV, LC/MS

Method Parameters

Mobile Phase	MeCN/MeOH
Buffer	AmFm, Formic acid
Flow Rate	0.5 ml/min

Detection	UV, 270 nm
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	Pyrilamine, Trimipramine, Pindolol

HPLC Column Used

Sharc 1, 3.2x100 mm, 5 µm, 100A

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