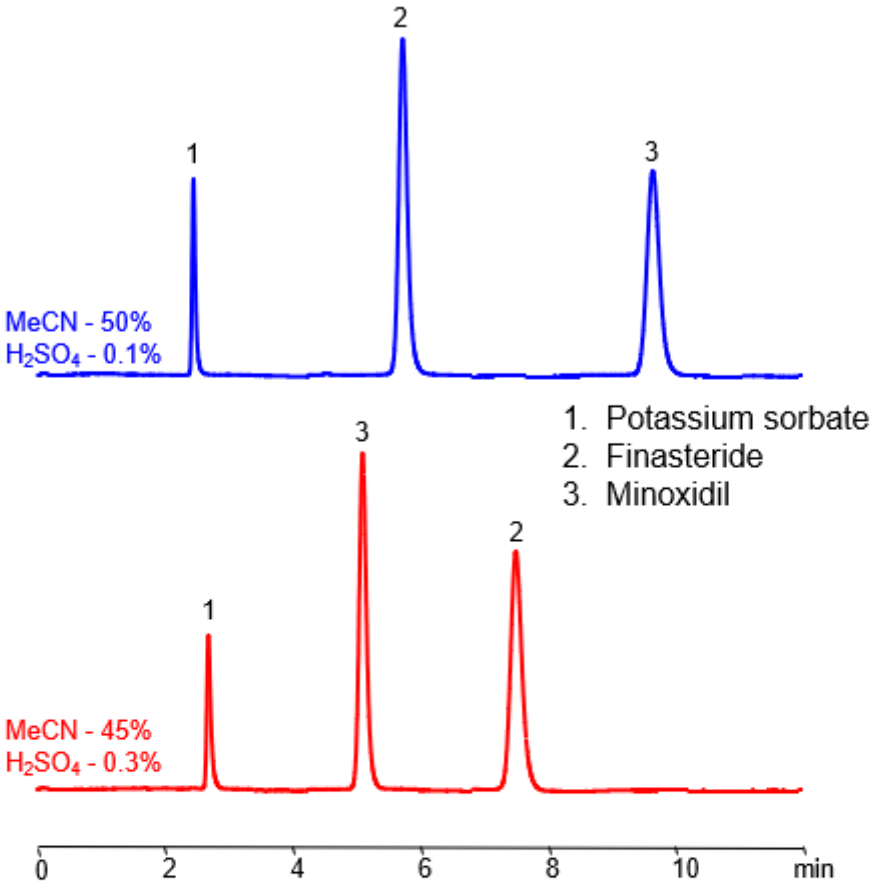
HPLC Method for Separation of Finasteride, Minoxidil and Potassium sorbate on Primesep 100 Column

https://sielc.com/hplc-determination-of-flucytosine-fluorouracil

Chromatogram



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H_2O
Buffer:	H_2SO_4
Flow rate:	1.0 mL/min
Detection:	UV 225 nm

Description

· Separation type: Liquid Chromatography Mixed-mode

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Finasteride, also known as Proscar or Propecia, is a popular oral medication used to prevent hair loss and treat enlarged prostates (also known as benign prostatic hyperplasia, BPH). Minoxidil is another drug used to treat male pattern hair loss, as well as high blood pressure, and can be taken both orally or topically. Potassium Sorbate is a popular preservative used in a wide variety of foods, wines, and personal-care products. These 3 compounds can be retained, separated, and analyzed on a mixed-mode Newcrom BH column with a mobile phase consisting of water, Acetonitrile (MeCN), and sulfuric acid (H2SO4). This

analytical method can be UV detected at 225 nm with high resolution and peak symmetry. The retention times and elution order of these compounds can be modified by altering the relative concentrations of MeCN and H2SO4.

Method Parameters

Mobile Phase	MeCN/H2O – 50/50%
Buffer	H2SO4
Flow Rate	1.0 ml/min
Detection	UV 225 nm
Class of Compounds	Drug
Analyzing Compounds	Finasteride, Minoxidil, Potassium sorbate

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 A, dual ended

Order this column at hplc-shop.de →