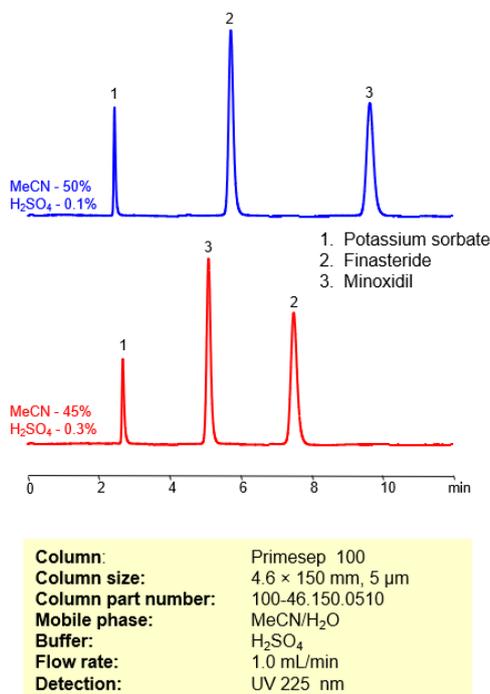


HPLC Method for Separation of Finasteride, Minoxidil and Potassium sorbate on Primesep 100 Column



Separation type: Liquid Chromatography Mixed-mode

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

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 50/50%
Buffer	H ₂ SO ₄
Flow Rate	1.0 mL/min
Detection	UV 225 nm

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