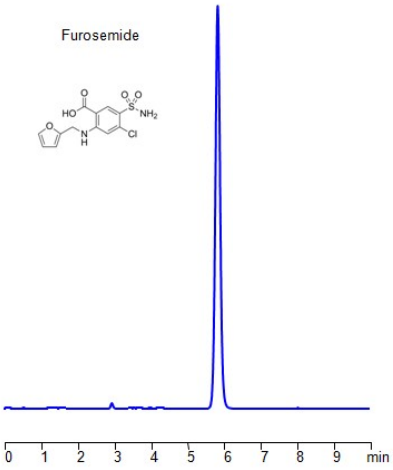
HPLC Method for Analysis of Furosemide on Primesep B Column



Column:	Primesep B
Column size:	4.6 × 150 mm, 5 µm
Column part number:	B-46.150.0510
Mobile phase:	MeCN - 40%
Buffer:	H_2SO_4 - 0.1%
Flow rate:	1.0 ml/min
Detection:	UV 235 nm

Furosemide is a medication commonly used to treat conditions such as edema (fluid retention) and hypertension (high blood pressure). It belongs to a class of drugs known as loop diuretics. Furosemide works by increasing the excretion of water and salts (sodium and chloride) from the kidneys.

Uses: Furosemide is commonly prescribed for conditions such as edema associated with congestive heart failure, liver cirrhosis, and renal disease. It is also used to treat hypertension.

Furosemide can be retained, and analyzed using a Primesep B mixed-mode stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and sulfuric acid as a buffer. Detection is achieved using UV 235 nm

Method Parameters

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 40%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 235 nm

Quelle: https://sielc.com/hplc-method-for-analysis-furosemide

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