HPLC MS Method for Analysis of Labetalol in Pharmaceutical Dosage Form on Primesep 200 Column

Labetalol is a medication used to treat high blood pressure (hypertension). It is a combined alpha- and beta-blocker, which means it works by blocking both alpha and beta receptors in the body.

Labetalol can be retained, and analyzed using a Primesep 200 mixed-mode stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and Formic Acid as a buffer. Detection is achieved using UV at 300 nm

You can find detailed UV spectra of Labetalol and information about its various lambda maxima by visiting the following link .

Method Parameters

Column	Primesep 200, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 40/60%
Buffer	Formic Acid – 0.2%
Flow Rate	0.2 mL/min
Detection	UV 300 nm, SIM + 329

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