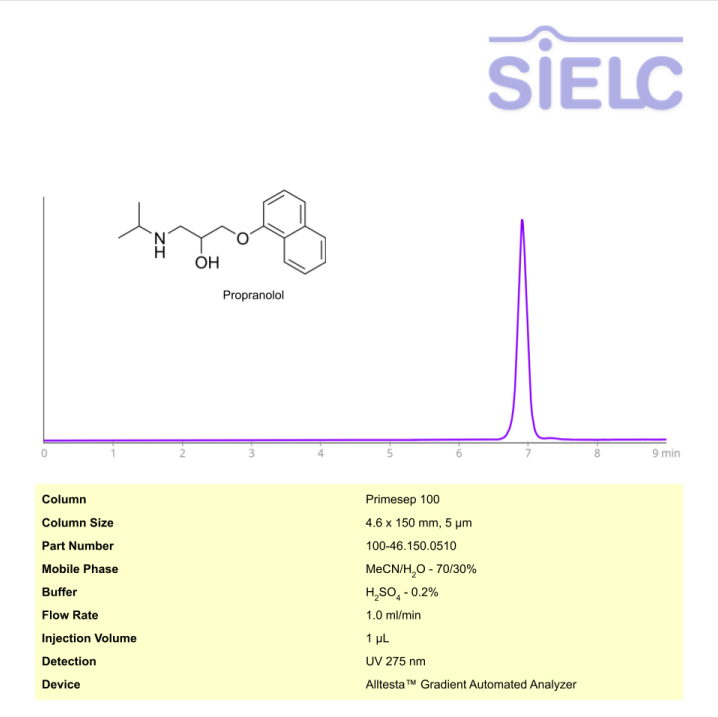
HPLC Method for Analysis of Propranolol on Primesep 100 Column on Alltesta™



High Performance Liquid Chromatography (HPLC) Method for Analysis of Propranolol

Propranolol is an organic compound with the molecular formula C16H21NO2 . It is primarily used to treat hypertension, angina, migraine headaches, and hypertrophic subaortic stenosis. As a beta-blocker, it works through affecting nerve impulse responses. You can find detailed UV spectra of Propranolol and information about its various lambda maxima by visiting the following link.

Propranolol can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with phosphoric acid as a buffer. Detection is performed using UV.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 70%
Buffer	Sulfuric Acid
Flow Rate	1.0 mL/min
Detection	UV 275 nm

Quelle: https://sielc.com/hplc-method-for-analysis-of-propranolol-2