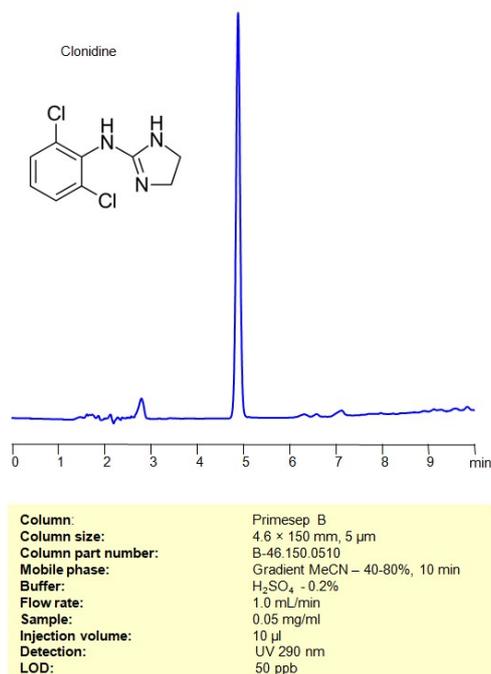


HPLC Method for Analysis of Clonidine on Primesep B Column



Clonidine is a medication primarily used to treat high blood pressure (hypertension).

Clonidine is primarily prescribed for the treatment of hypertension, especially in cases where other antihypertensive medications have not been effective or well-tolerated.

Clonidine is available in various formulations, including tablets, patches, and oral suspension.

Clonidine can be retained, and analyzed using a Primesep B mixed-mode stationary phase column. The analysis utilizes an gradient method with a simple mobile phase consisting of water, acetonitrile (MeCN), and sulfuric acid as a buffer. Detection is achieved using UV 290 nm

Method Parameters

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN/H ₂ O – 40-80%, 10 min
Buffer	H ₂ SO ₄ – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 290 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-clonidine>