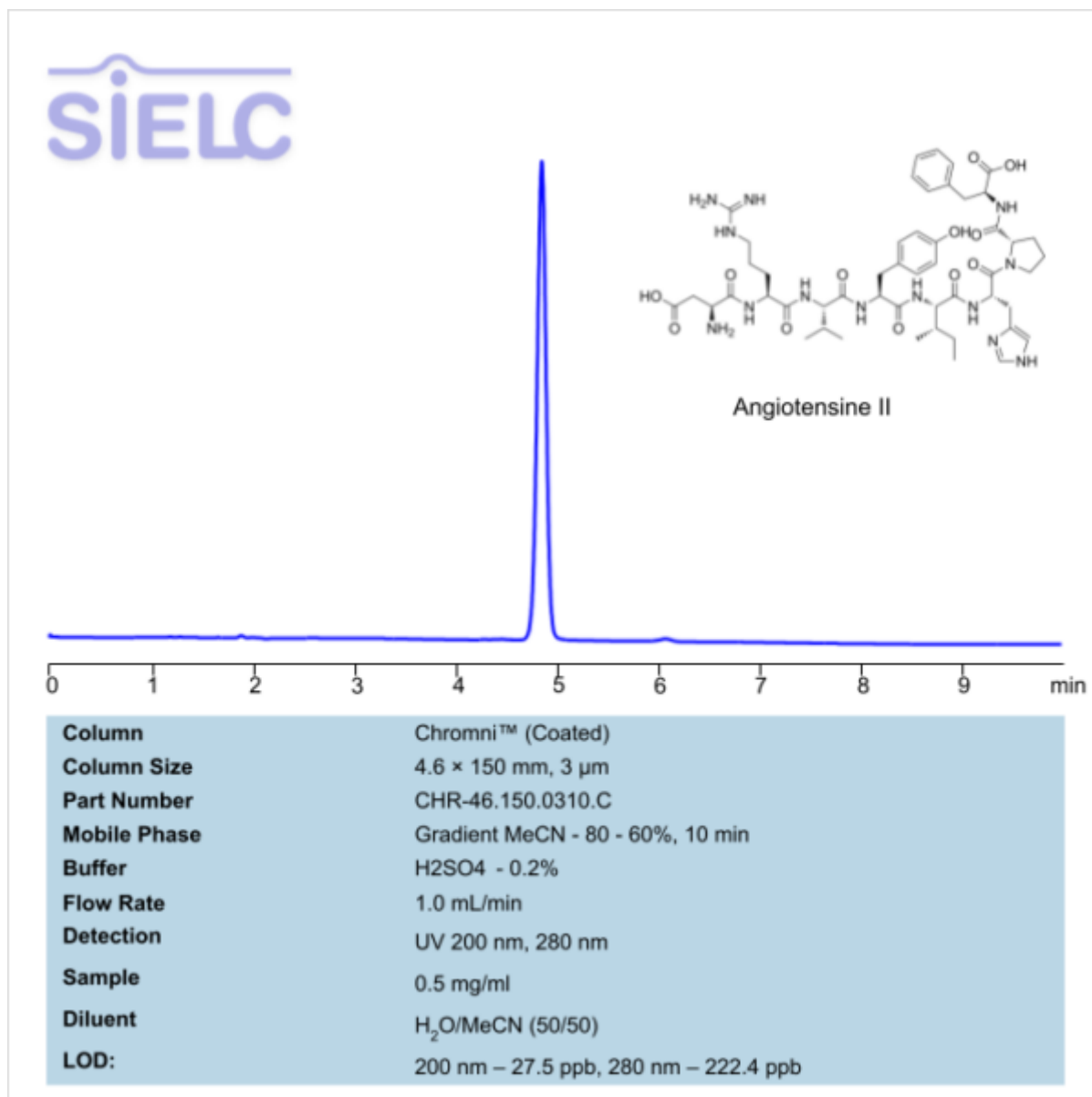


HPLC Method for Analysis of Angiotensin II on Chromni Column

<https://sielc.com/hplc-analysis-of-angiotensin-ii>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of (Compound not found)

Angiotensin II is a peptide hormone with the chemical formula C₅₀ H₇₁ N₁₃ O₁₂. It is said to exhibit endocrine, autocrine/paracrine, and intracrine functions. Within the proximal tubules of the kidney, it regulates water and Na⁺ reabsorption. Synthetic version of the peptide is used to treat hypotension caused by distributive shock.

(Compound not found) is analyzed using a Chromni stationary phase column under gradient conditions with a mobile phase composed of acetonitrile (MeCN) and water. Detection is performed by UV absorbance detection.

Method Parameters

Mobile Phase

MeCN/H₂O- 80/20 – 60/40%

Buffer	H2SO4 – 0.2%
Flow Rate	1.0 ml/min
Detection	UV 200 nm, UV 280 nm
Limit of Detection*	200 nm – 27.5 ppb, 280 nm – 222.4 ppb
Class of Compounds	hormone
Analyzing Compounds	(Compound not found)

HPLC Column Used

(Column variation not found)