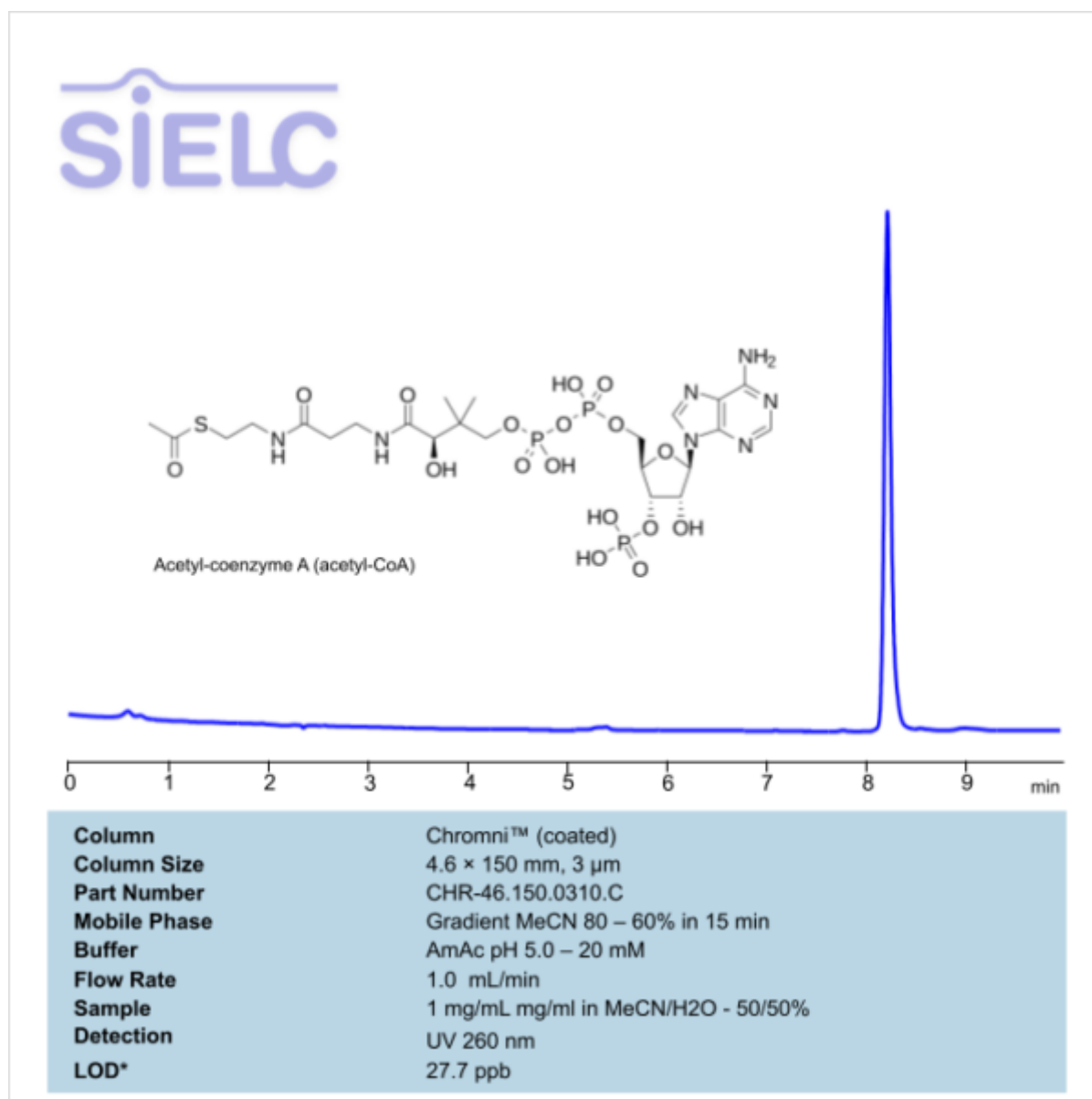


HPLC Method for Analysis of Acetyl-coenzyme A (acetyl-CoA) on Chromni Column

<https://sielc.com/hplc-ms-method-for-analysis-of-acetyl-coenzyme-a>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Acetyl-coenzyme A .

Acetyl-coenzyme A , also known as Acetyl-CoA , is the a molecule with the chemical formula C₂₃ H₃₈ N₇ O₁₇ P₃ S . It mainly participates in biochemical reactions responsible for protein, carbohydrate, and lipid metabolism. It's main function is to deliver the acetyl group to the Krebs cycle for energy production. The discovery of that linked this molecule to metabolism was awarded a Nobel Prize in Physiology or Medicine.

Acetyl-coenzyme A can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using LC MS.

Method Parameters

Mobile Phase

MeCN/H₂O

Buffer	AmAc pH 5.0 – 20 mM
Flow Rate	1.0 ml/min
Detection	260 UV nm
LOD*	27.7 ppm
Class of Compounds	Metabolic Intermediate
Analyzing Compounds	Acetyl-coenzyme A

HPLC Column Used

Chromni, 4.6 x 150 mm, 3 µm, 100 Å, surface coated

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)