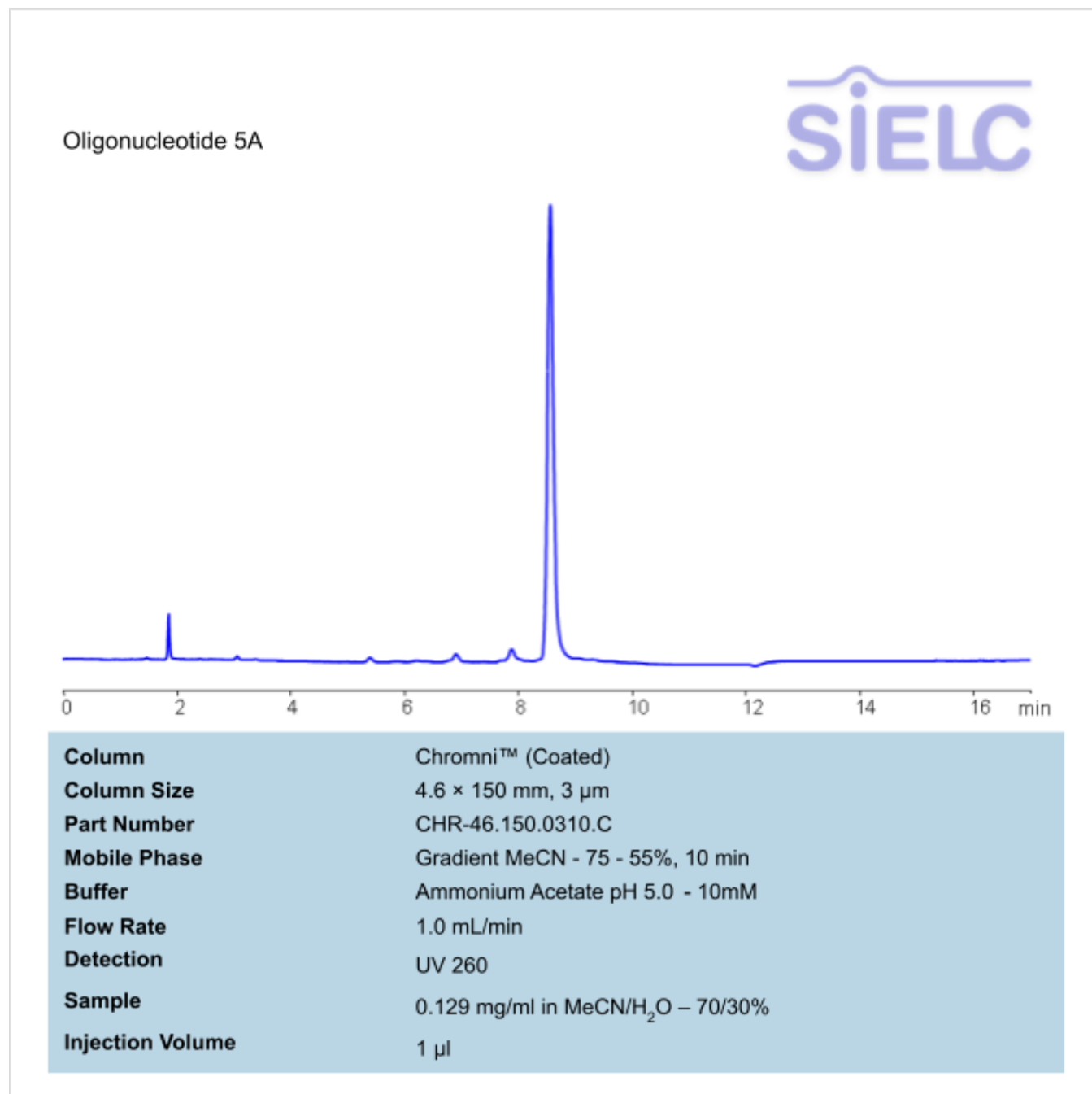


HPLC UV Method for Analysis of Oligonucleotide 5A on Chromni Column

<https://sielc.com/hplc-uv-analysis-of-oligonucleotide-5a>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Oligonucleotides

Oligonucleotide 5A is a small RNA molecule with a specific adenine sequence. They are primarily used to inhibit viral and cancer cell growth. In RNA synthesis, they are intermediates in enzymatic synthesis of capped RNAs.

Oligonucleotides 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) with a ammonium acetate as a buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	Gradient MeCN – 75 – 55%, 10 min
Buffer	Ammonium Acetate pH 5.0 – 10mM
Flow Rate	1.0 ml/min
Detection	UV 260
Class of Compounds	Oligonucleotide
Analyzing Compounds	Oligonucleotides

HPLC Column Used

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

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