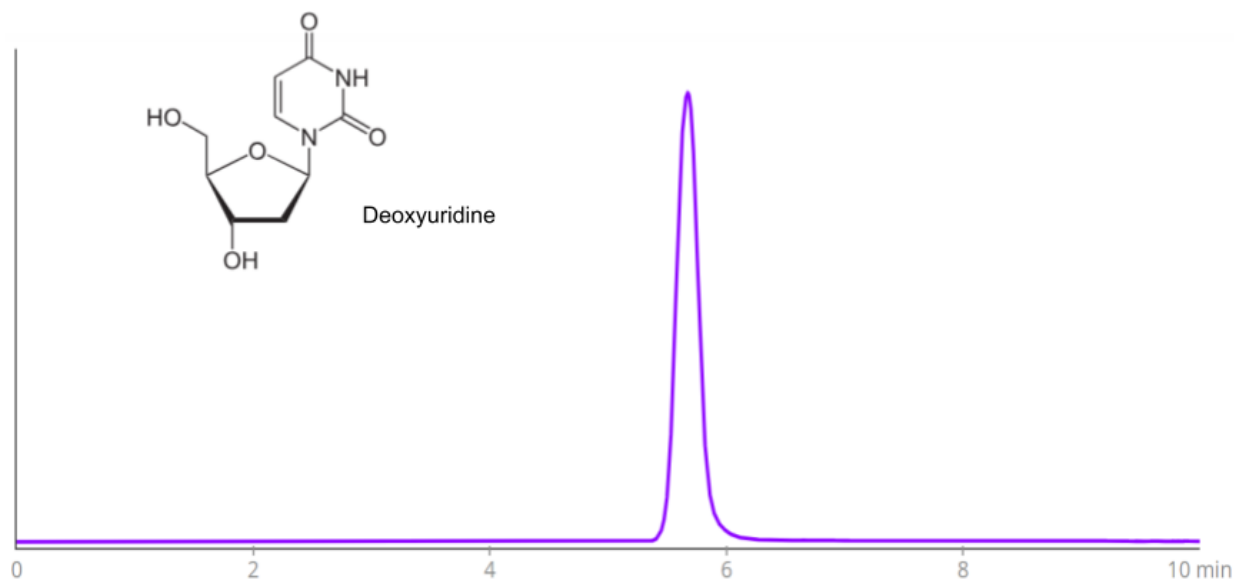


Chromatogram



Column	Chromni™
Column Size	4.6 x 150 mm, 5 µm
Part Number	CHR-46.150.0510
Mobile Phase	MeCN/H ₂ O - 90/10%
Buffer	AmFm pH 3.0 - 30 mM
Flow Rate	1.0 ml/min
Injection Volume	10 µL
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Deoxyuridine (dU) is an nucleoside with the C₉ H₁₂ N₂ O₅ molecular formula. While in living organisms it exists primarily to occasionally become a part of DNA, it's variants, Idoxuridine and Trifluoride, work as antiviral drugs. If consumed, Deoxyuridine can be toxic.

Deoxyuridine can be retained and analyzed using the Chromni 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

Mobile Phase	MeCN – 90%
Buffer	AmFm pH 3.0 – 30 mM
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	Nucleotide Base
Analyzing Compounds	Deoxyuridine

HPLC Column Used

Chromni, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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