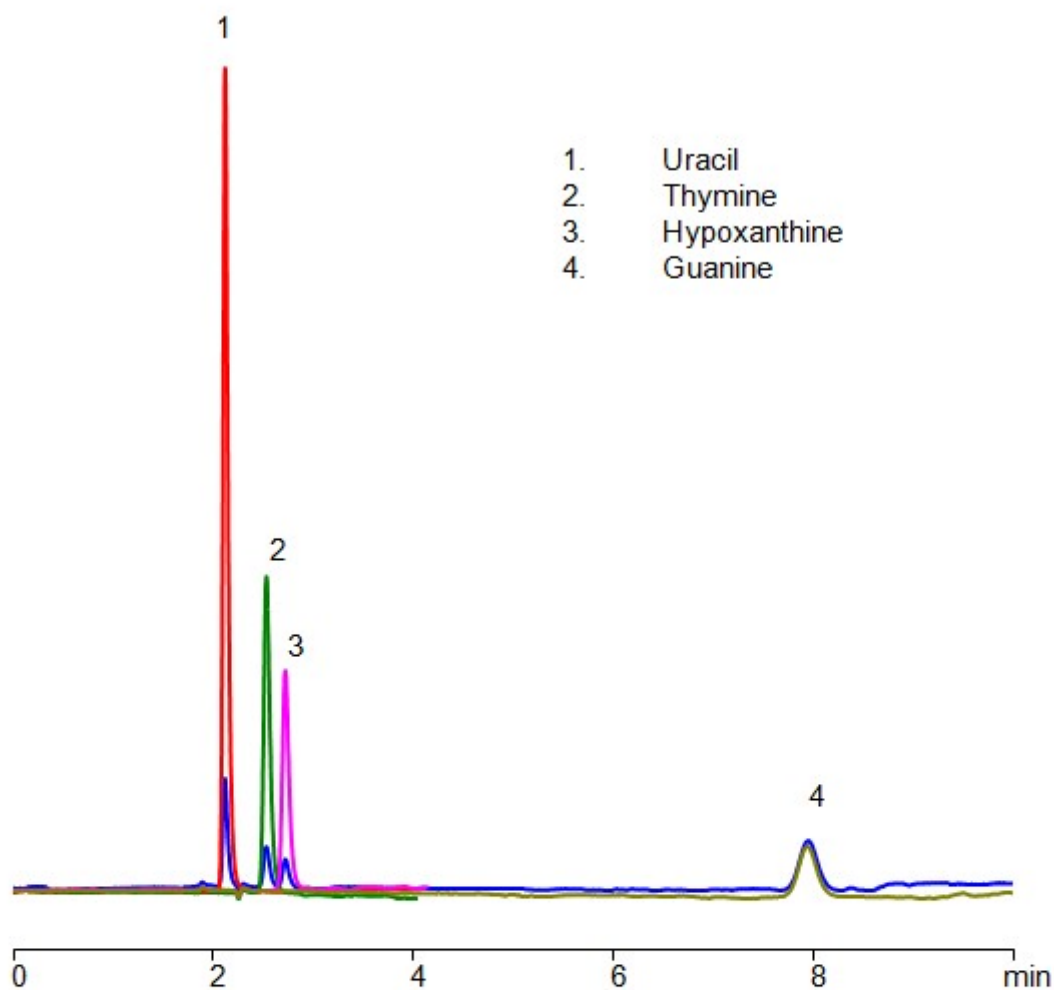


HPLC Separation of Uracil, Thymine, Hypoxanthine and Guanine on Newcrom AH

<https://sielc.com/hplc-determination-of-uracil-thymine-hypoxanthine-guanine>

Chromatogram



Column:	Newcrom AH
Column part number:	NAH-46.150.0510
Column size:	4.6 x 150mm, 5µm, 100A
Mobile phase:	MeCN/H ₂ O – 1/99%
Buffer:	AmFm pH 3.0 – 6 mM
Column Temp:	30C
Flow rate:	1.0 mL /min
Detection:	UV 260nm

Description

· Separation type: Liquid Chromatography Mixed-mode

High Performance Liquid Chromatography (HPLC) Method for Analyses of Uracil, Thymine, Hypoxanthine and Guanine

Uracil, Thymine, Hypoxanthine, and Guanine are all nitrogenous bases, each playing distinct roles in the biochemistry of nucleic acids.

Uracil (U) : · Thymine (T) : · Hypoxanthine : · Guanine (G) :

Method Parameters

Mobile Phase	MeCN – 1%
Buffer	Ammonium formate pH 3.0- 6 mM
Flow Rate	1.0 ml/min
Peak Retention Time	2.21, 2.38, 2.81, 7.92 min
Detection	260 nm
Class of Compounds	Nucleotides
Analyzing Compounds	Uracil,Thymine,Hypoxanthine,Guanine

HPLC Column Used

Newcrom AH, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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