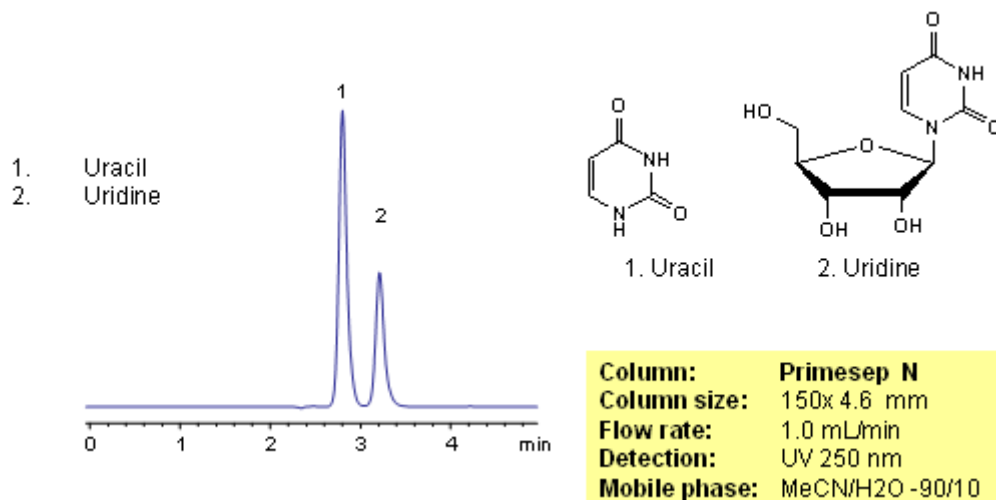


HPLC Separation of Uridine and Uracil

<https://sielc.com/Application-HPLC-Separation-of-Uridine-and-Uracil>

Chromatogram



Description

Uracil is a naturally occurring pyrimidine derivative. Uracil is used for drug delivery and as a pharmaceutical. Uridine is a product of uracil and sugar ribose. Uridine is one of components of ribonucleic acid. Uracil and uridine are slightly basic in nature. Both compounds are hydrophilic and uracil is very often is used as a void marker in reversed-phase chromatography. Uracil and uridine are separated based on their polar properties on a Primesep N HILIC column. Uracil and uridine are monitored by UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 90/10%
Buffer	No
Flow Rate	1.0 ml/min
Detection	UV 250 nm
Class of Compounds	Nucleosides, Hydrophilic, Ionizable
Analyzing Compounds	Uracil, Uridine

HPLC Column Used

Primesep N, 4.6x150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](#)