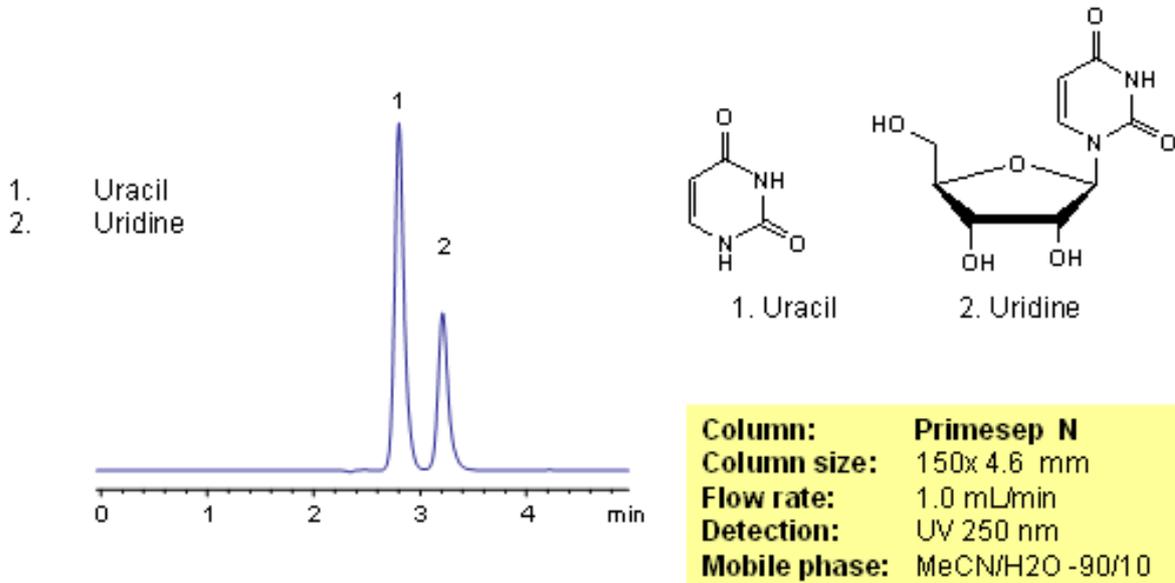


HPLC Separation of Uridine and Uracil



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 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

Column	Primesep N, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 90/10%
Buffer	No
Flow Rate	1.0 mL/min
Detection	UV 250 nm

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