

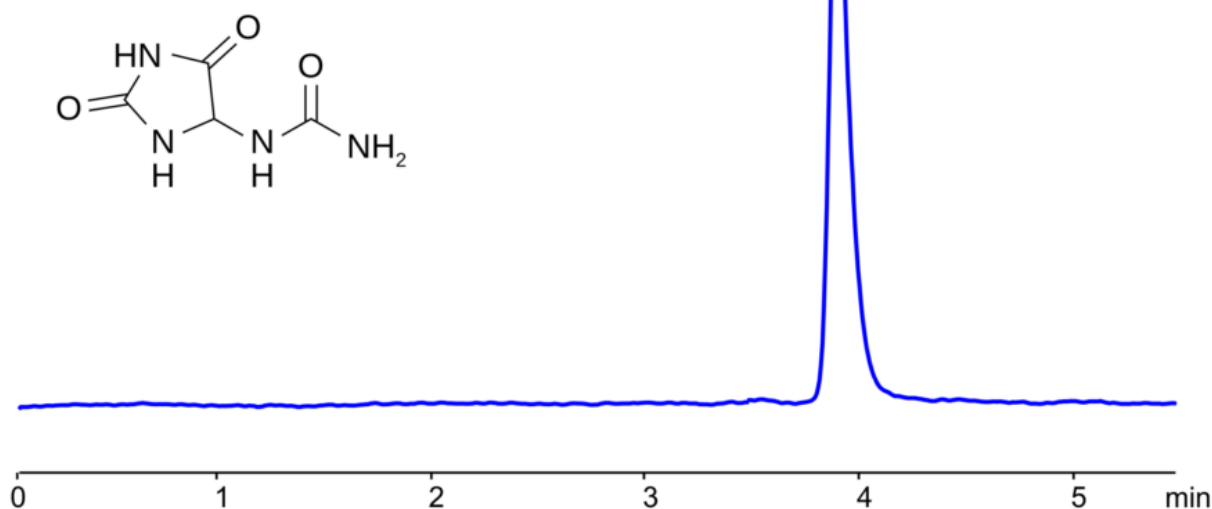
HPLC Method for Analysis of Allantoin on Primesep 100 Column

<https://sielc.com/hplc-method-for-analysis-of-allantoine>

Chromatogram

siELC

Allantoin



Column:	Primesep 100
Column size:	4.6× 150 mm, 3 µm
Column part number:	100-46.150.0310
Mobile phase:	MeCN/H ₂ O - 10/90%
Buffer:	TFA - 0.1%
Flow rate	0.5 ml/min
Detection:	UV 210 nm
Sample:	1.0 mg/ml
Diluent:	H ₂ O - 100%

Description

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

Allantoin is found in plants such as wheat sprouts, chamomile, sugar beet, and comfrey. It is used as a moisturizer, which is, as the name suggest, used to moisturize the skin and to treat or prevent skin irritations and dry skin. Primesep 100, a reverse-phase column, contains embedded acidic ionizable groups and can retain Allantoine. The method is LC/MS and UV compatible and can be used as a general approach for analyzing similar compounds.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 10/90%
Buffer	TFA- 0.1%
Flow Rate	1.0ml/min
Detection	UV, 210 nm
Class of Compounds	Plant-based compound
Analyzing Compounds	Allantoin

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 3 µm, 100 A, dual ended

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