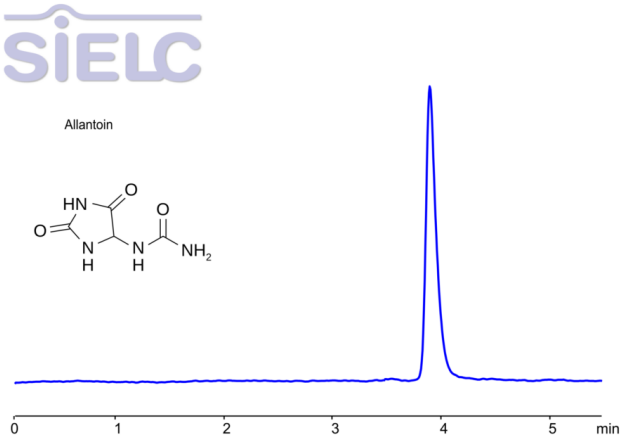
HPLC Method for Analysis of Allantoin on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6× 150 mm, 3 µm
Column part number:	100-46.150.0310
Mobile phase:	MeCN/H_2O - 10/90%
Buffer:	TFA - 0.1%
Flow rate	0.5 ml/min
Detection:	UV 210 nm
Sample:	1.0 mg/ml
Diluent:	H2O - 100%

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

Column	Primesep 100, 4.6 x 150 mm, 3 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 10/90%
Buffer	TFA- 0.1%
Flow Rate	1.0ml/min
Detection	UV, 210 nm

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

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de