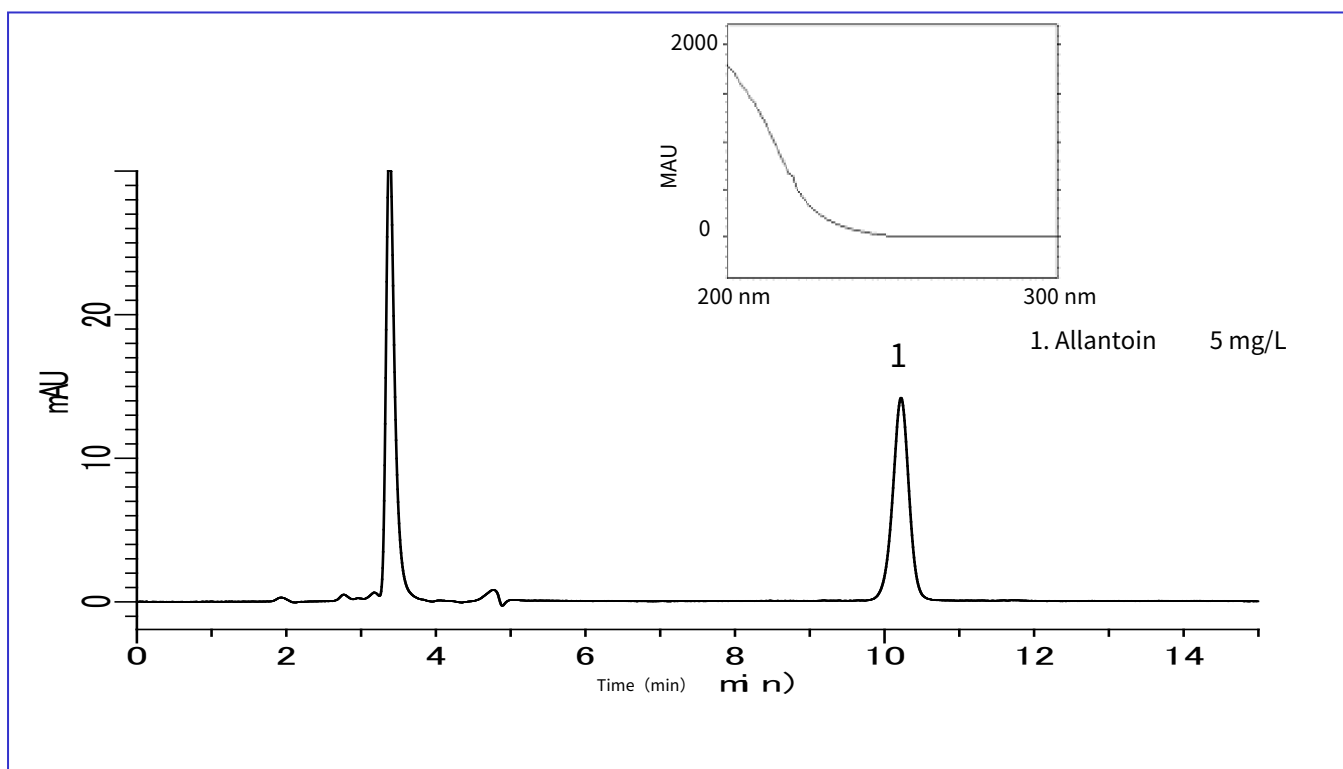
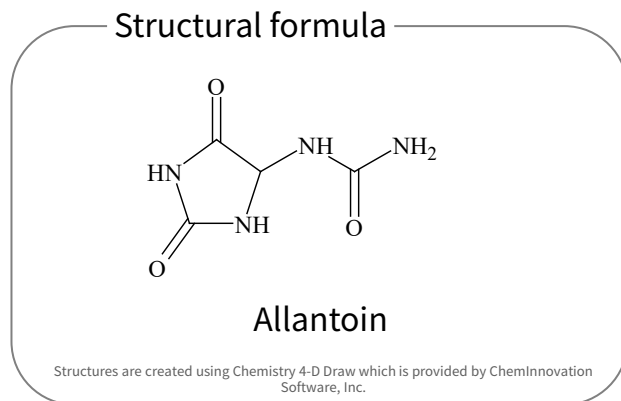


Allantoin is a widely used in products such as pharmaceuticals and cosmetics. Due to its strong water solubility, reversed-phase HPLC using columns such as ODS has little retention, and the effects of ion pairs make analysis difficult. In this application, hydrophilic interactions (HILIC mode) was used to obtain excellent assay results.

(K.Suzuki)

Example: Measurement of standard



HPLC conditions

Column : Inertsil HILIC
(5 μm , 250 x 3.0 mm I.D.)

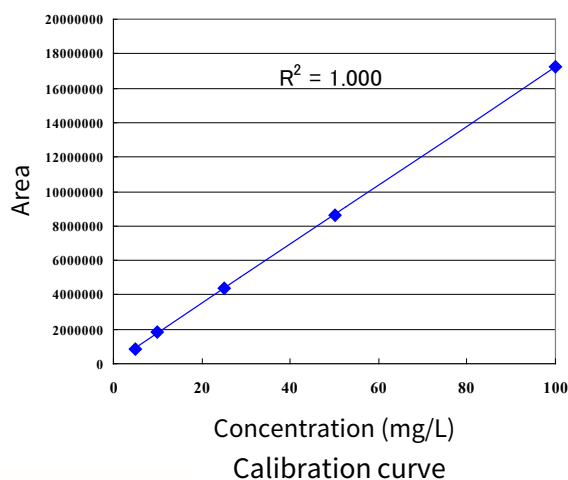
Eluent : A) CH₃ CN
B) H₂O
A/B = 95/5, v/v
(gradient mixer)

Flow rate : 0.4 mL/min

Column temperature : 40 °C

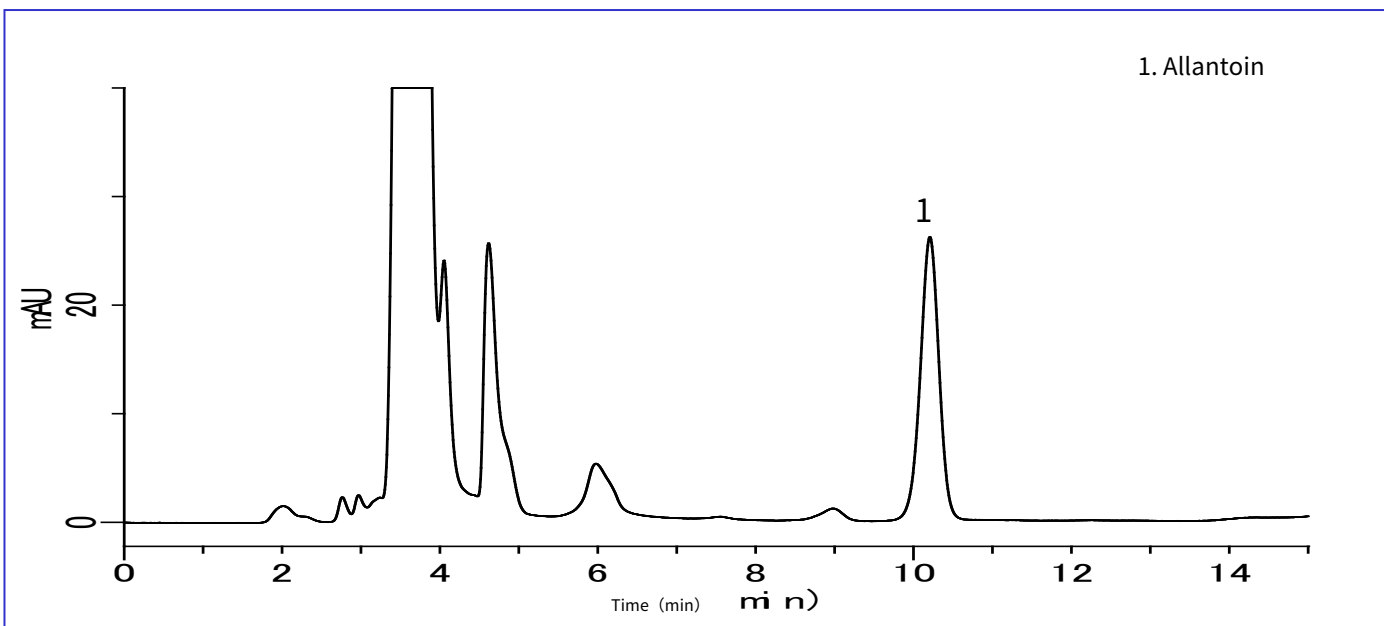
Detected : PDA 210 nm

Injection volume : 20 μL



Examples of analysis of cosmetic solutions

The assay was performed by filtering the cosmetic solution through a 0.45 μm filter and diluting the solution 10-fold with acetonitrile.



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GL Sciences Inc. Japan

22-1 Nishishinjuku 6-chome
Shinjuku-ku, Tokyo
163-1130, Japan

Phone: +81-3-5323-6620
Fax: +81-3-5323-6621
Email: world@glsc.co.jp
Web: www.glsciences.com

GL Sciences Inc. USA

4733 Torrance Blvd. Suite 255
Torrance, CA 90503
USA

Phone: +1-310-265-4424
Fax: +1-310-265-4425
Email: info@glsciencesinc.com
Web: www.glsciencesinc.com

GL Sciences B.V.

Dillenburgstraat 7C
5652AM, Eindhoven
The Netherlands

Phone: +31-40-254-9531
Email: info@glsciences.eu
Web: www.glsciences.eu

GL Sciences (Shanghai) Limited

Tower B, Room 2003
Far East International Plaza
No.317 Xianxia Road, Changning District
Shanghai, China 200051

Phone: +86-21-62782272
Email: contact@glsciences.com.cn
Web: www.glsciences.com.cn



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