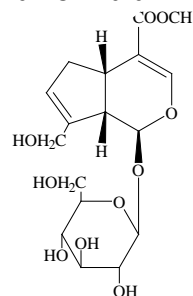


The analysis of geniposide is presented in this application note. Geniposide is obtained from gardenia (hawthorn) and is used as a food additive derived from natural products. It is also considered to be a crude drug listed in the Japanese Pharmacopoeia.

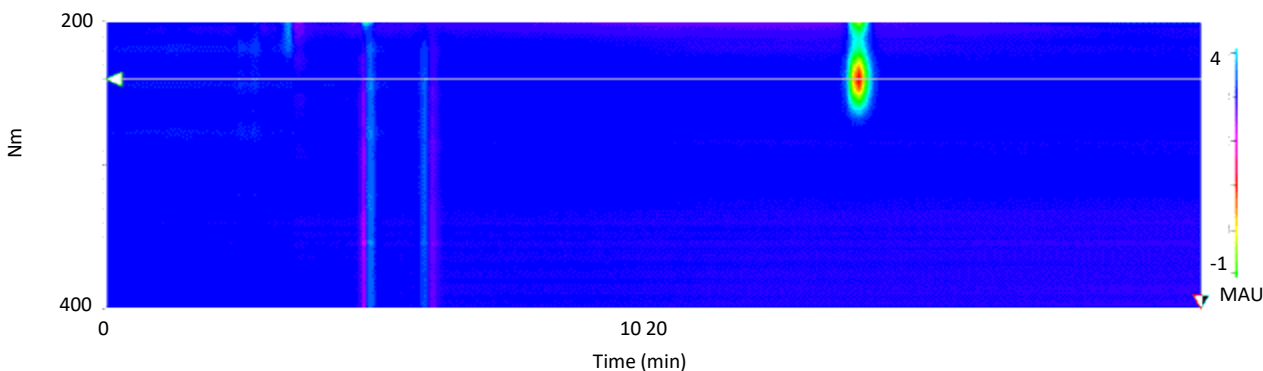
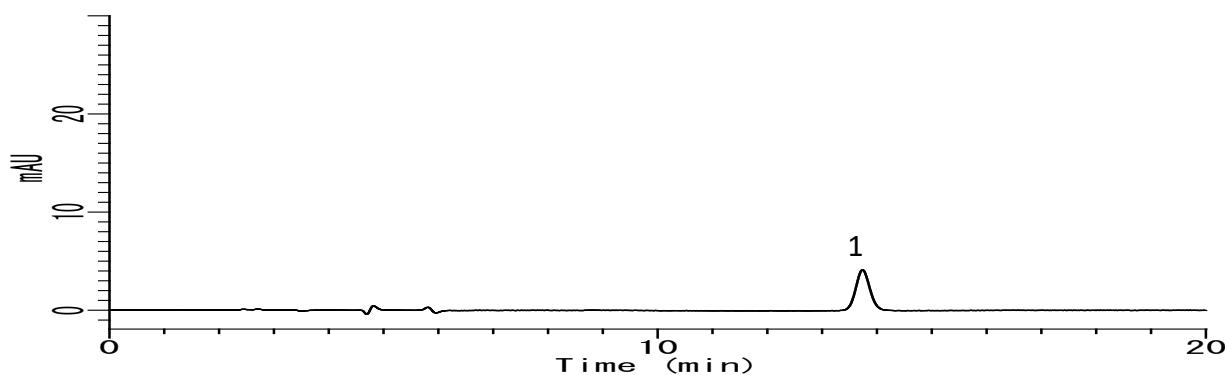
Analysis was performed under the conditions described in the draft formulary for food additives, 8th edition. As a result, it was possible to easily detect geniposide without any influence from contamination.

(K.Suzuki)

Structural formula



Structures are created using Chemistry 4-D Draw which is Provided by ChemInnovation Software, Inc.

Example: Measurement of standard**1. Geniposide (1.0 mg/L)****HPLC conditions**

Column : Inertsil ODS-SP
(5 μm, 150 x 3.0 mm I.D.)

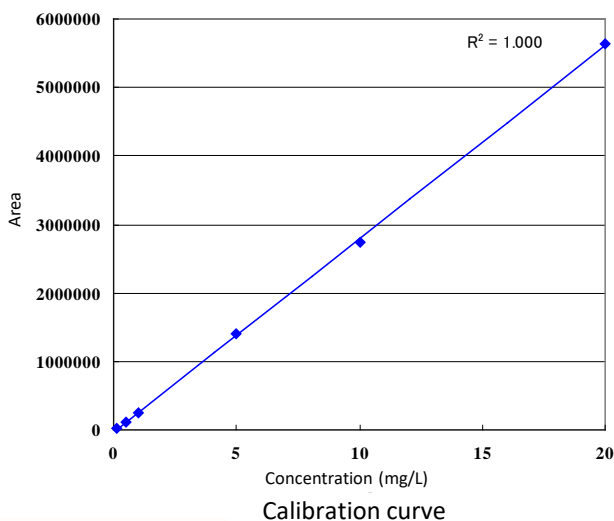
Eluent : A) CH₃ CN
B) H₂O
A/B = 15/85, v/v
(gradient mixer)

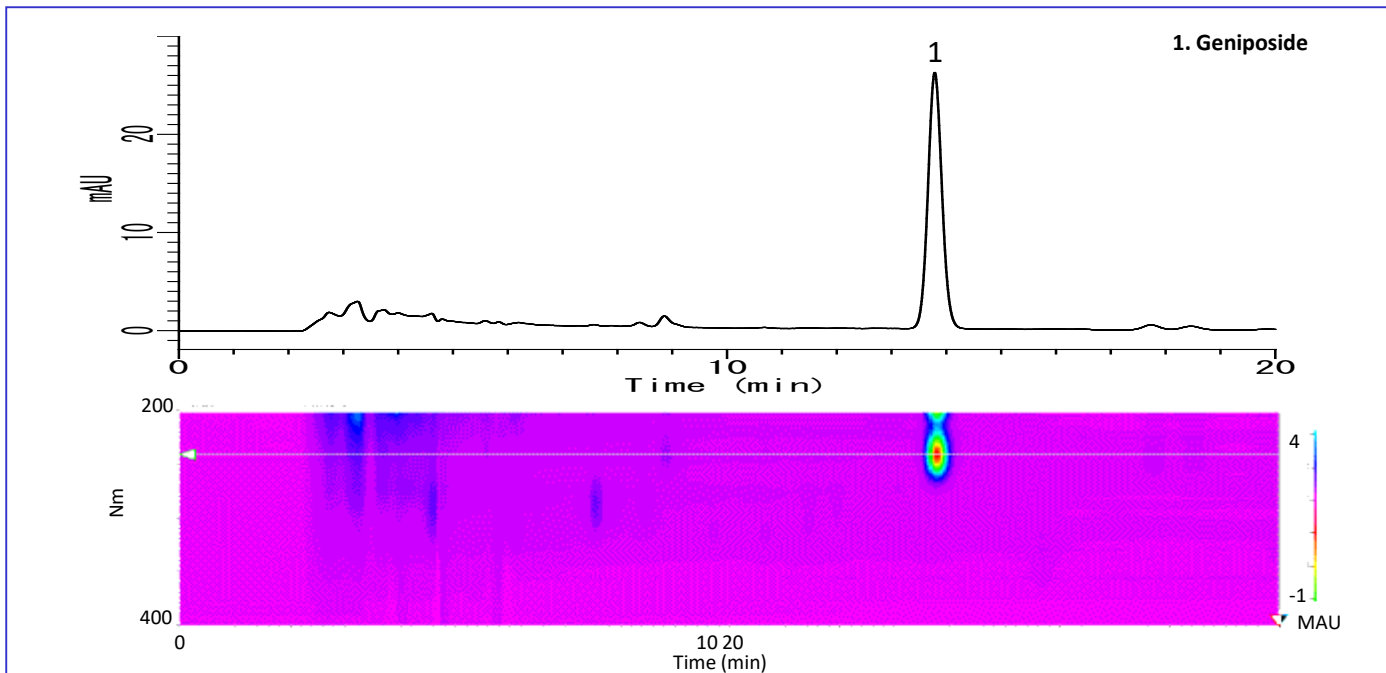
Flow rate : 0.4 mL/min

Column temperature : 40 °C

Detected : PDA 240 nm

Injection volume : 20 μL



Examples: Analysis of gardenia extracts

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